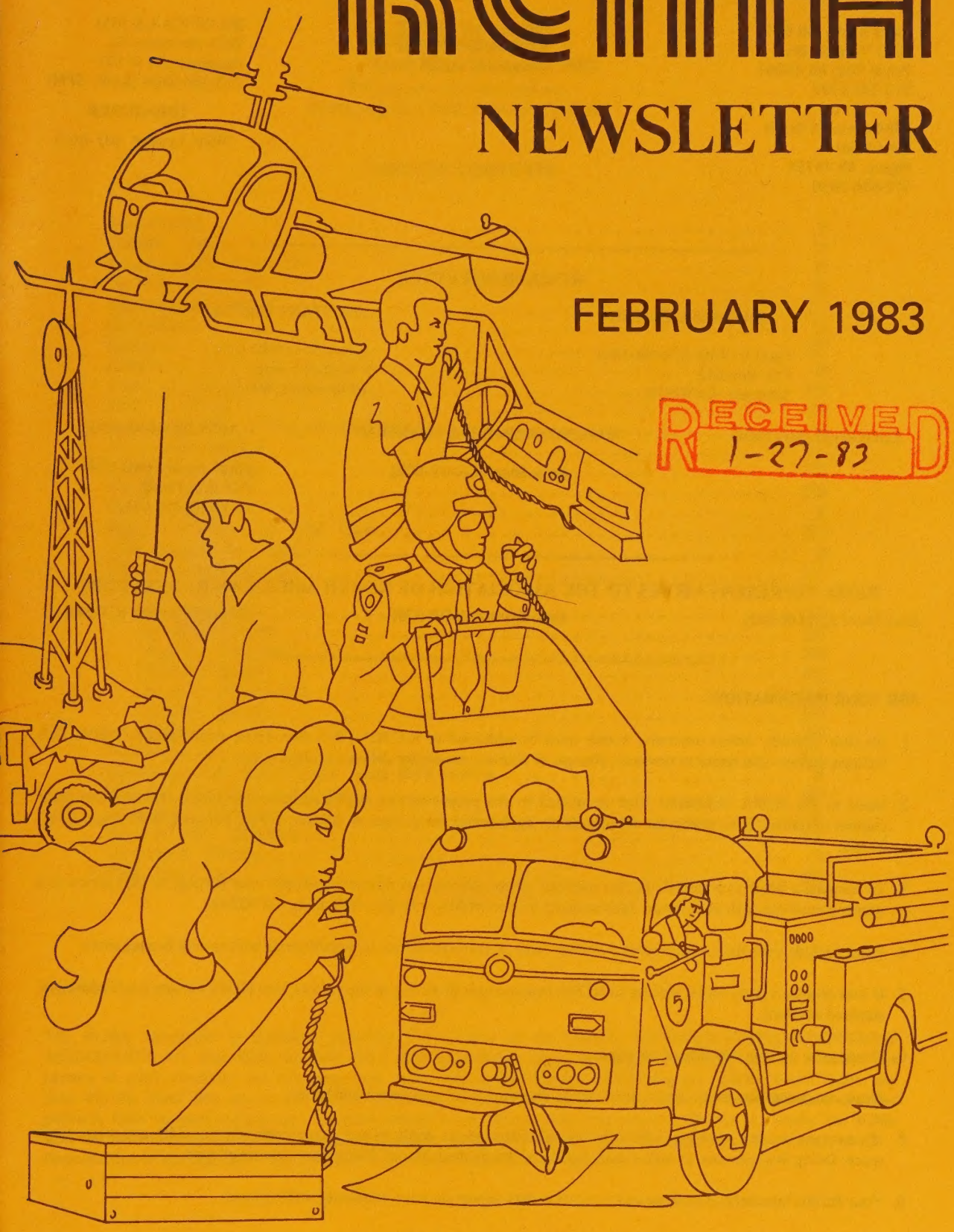
RCMA

NEWSLETTER



FEBRUARY 1983

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FIRST NATIONAL AND INTERNATIONAL ORGANIZATION
OF MONITOR RADIO LISTENERS

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RCMA NEWSLETTER

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FOR YOUR INFORMATION:

1. All club business, unless otherwise noted, must be addressed to R.C.M.A., P.O. Box 4563, Anaheim, CA 92803. This includes matters that relate to renewals, changes of address, newsletter delivery problems, etc.

2. Input to the RCMA Newsletter must be mailed to the proper editors, whose addresses are included in the individual column headlines. If no particular column seems appropriate, send input to RCMA, 1 West Potomac, Williamsport, MD 21795.

3. To forward a letter to a specific RCMA member whose address you do not know, put your message to that person in a stamped envelope with your return address on it; mail to RCMA, P.O. Box 408, Earp, CA 92242.

4. Please include your RCMA membership number with all correspondence to newsletter editors or club headquarters.

5. If you require a reply when writing to RCMA headquarters or to one of the editors, you MUST enclose a self-addressed, stamped envelope.

6. Please write on only one side of the paper.

7. Please don't combine in one letter several items that should go to different addresses.

8. If you want to type what you submit to the newsletter, please don't exceed a seven-inch column width and please single space. Doing this may save an editor from having to retype the material. Please don't use script type.

9. Your RCMA membership number and expiration date appear on your newsletter mailing label.

10. You may join or renew your membership for ONLY one year at a time.

11. The RCMA Newsletter accepts paid advertising. If you would like to place a paid ad, please write to the following address for our advertising guidelines: RCMA Newsletter, P.O. Box 13602, St. Louis, MO 63138

RCMA NEWSLETTER
Issue 83 February 1983
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** Calendar **

Send notices of upcoming events for the Calendar section to:
John Clark, RCMA, P.O. Box 4563, Anaheim, CA 92803.
Please send notices well in advance of the Newsletter deadline.

Greater L.A. Area R.C.M.A. Eric Christensen CALA045 Presiding
--Meetings tentatively scheduled each third Friday of the month--

January 21 FRIDAY 8 P.M. Tour

NET 6 Fire Communications Center Huntington Beach
18301 Gothard St. (Gothard parallels Golden West and Beach. Thomas Broths Orange County Map page 26 2-B)
Talkin channels 145.460-600, 223.98-1600, 449.875-5000

February 18 FRIDAY 8 P.M. Tour

CALTRANS Operations Center.
120 S. Spring Street Los Angeles.
Talkin channel 144.330 the Gordo channel

March 18 FRIDAY Meeting at Mercury Savings and Loan, Valley View and Lincoln, Buena Park, Ca 8:00PM. 2nd Floor. Elevator in back.

Guest Speaker Gene Hughes CALA006 Editor Police Call
The man whose frequency lists are sworn by more than sworn at.

R.C.M.A. Chicago

Contact Edward Robert Sirovy IL-004 312 969 2856
311 S. Williams Street, Westmont, Il 60559

Meetings: NANCINI'S Resturant 5555 St Charles Road, Berkeley, Il
two blocks east of St Charles Road exit from Eisenhouer Expressway Extention I-290 (phone 312 544 7277)

Visitors are welcome but please confirm the date in advance.

Saturday	March	5, 1983	1:00 PM
Saturday	April	23, 1983	1:00 PM
Saturday	June	11, 1983	1:00 PM
Saturday	July	30, 1983	1:00 PM
Sunday	August	28, 1983	Picnic / Field exercise
(write or phone for details about this fun day)			
Saturday	September	24, 1983	1:00 PM
Saturday	November	12, 1983	1:00 PM

A SASE on file assures notification of tours and other item which may be scheduled on short notice.

R.C.M.A. Connecticut Chapter

Contact Bill Moore CT 038 203-223-0840
950 Farmington Ave, New Britain, CT 06051

Southern New England Scanners Club is forming

Contact Maurice Dandeneau RI 017 401-828-1641
P.O. Box 7052, Warwick, RI 02887

NEED BACK ISSUES OF THE RCMA NEWSLETTER?

Lots (Months/Year)	No. of Issues	Price
Sept 75 - June/July 76 (No Oct or Nov published)	7	$2.00
Aug - Dec 76 (No Oct published)	4	$3.00
Jan - June 77	6	$4.00
July - Dec 77	6	$4.00
Jan - June 78	6	$5.00
July - Dec 78	6	$5.00
Jan - June 79	6	$6.00
July - Dec 79	6	$6.00

1980-82 back issues are now available at $1.50 per copy.

The following categories of postal rates are new. Please read carefully.

Order Total	Include This Amount of Postage
$ 1.50 - $ 5	$1.00
$ 5.50 - $10	$2.00
$10.50 - $15	$3.00
$15.50 - $25	$4.00
$25.50 - $35	$5.00
Over $35	$6.00

THOUGHT waves

Ginny Slick, RCMA Assistant Editor, 1 West Potomic, Williamsport, MD 21795

I am happy to report this month that Your Thoughts has so many letters to print that Thoughtwaves is going to have to take a back seat and get smaller for this month. They weren't all valentines, but we sure are glad that you're caring enough to write us!

Just before I rushed out to mail this, a letter came from Hugh G. Vandegrift, 2308 Zinnia Court, Killeen Texas, 76541. He would like to form a club for BC-100 owners in the pattern of the famous Fox-Tango club for Yaesu owners. In order to determine the feasibility of such an idea, he needs to hear from all BC-100 owners. If you are interested in what Hugh says will be a non-profit organization devoted to dissemination of material on the 100, please send an SASE to him at the above address.

YOUR THOUGHTS

1 West Potomac, Williamsport, MD 21795

To the Editors:

I also agree with the letter that Mark Cobbeldick wrote. All states should be covered. I,as well as other RCMA and AOSC Ohio members, have sent in data which never made your newsletter, and it was not lost in the mail, as some of it was sent certified mail in the past three years.

Thank you,
Jerry Callam (OH-141)

To the Editor:

Many RCMA members also belong to ENANY. I would like to tell you of what is happening in the organization. We are very sorry to report that the New York City Repeater system on 462.700MHz is now closed to our members. Control of this system has been assumed by CITYWIDE NEWS SERVICE. We wish Doug Kahn (a fellow RCMA member) the best of luck in his first business venture.

The good news is that we now have two repeaters operational and in compliance withh all FCC licensing requirements. System 1, 462.700 MHz, provides excellent coverage to Bergen and Passaic counties in NJ and Rockland, Westchester, Bronx, Manhattan (N. of 125th St.), and Queens-Nassau-Suffolk (N. of the GCP) counties in NY.

System 2, 462.600 MHz, provides excellent coverage to Essex, Hudson, Union, Middlesex, and Morris counties in NJ and Richmond, Brooklyn, Manhattan (S. of 125th St.) and Queens-Nassau-Suffolk (S. of the GCP) counties in NY.

A third System is planned for Hawthorne NJ. More information about ENANAY may be obtained by sending an SASE to the following address or by calling our NJ control center on (201) 652-5252 any evening except Saturday between 8 pm and 10 pm only! Two-way radio equipment and membership dues are cheaper than you can imagine! Why don't you join us? Remember, we always hear it first!

ENANY
Tony Loving (NJ -005)- Founder
P.O. Box 741
Ridgewood, NJ 07451-0741

To the Editors:

All too often police departments across the country are going more and more to systems which cannot be monitored. This trend is foolish and the enclosed local newspaper article will bear witness to what benefits can come from staying on the air. I hope you print this so that the police won't think that all people who listen in are cat burglars or pin heads.

L. Jones (MO-080)

RADIO LISTENER AIDS IN ARRESTS (retyped)

A woman who apparently enjoys monitoring police broadcasts provided the tip that led to the arrest of two burglary suspects in St. Charles County on Tuesday afternoon.

The incident began around 2 p.m. when a 73-year-old man went to his son's house on Feise Road in the area southeast of Lake Saint Louis. The sheriff's office said the man was making a routine check because his son was out of town.

The man said he had been confronted by two shotgun-toting burglars when he entered the house. He ran out the back door, but the gunmen caught him and brought him back into the house. They tied him up and fled, officers said.

A neighbor noticed the two men running out of the house and called the sheriff's office with the description of their car.

Moments after authorities broadcast a description of the suspects and their car, a woman called and said she had just seen a car fitting the descriptions. She hung up before officers could learn her identity.

"From what she told us, there was only one place the car could be heading and that was Highway 40," an officer said.

To the Editors:

First of all, what's all the fuss about the publication of sensitive frequencies? Seems to me that if everyone knew the frequencies that there wouldn't be any challenge left anymore to seek and find or

any goals to strive for. It took weeks of searching to discover my local FBI repeater on a scanner without a search feature and only 8 channels. I can assure you that my efforts were much more rewarding than if I had merely looked up the frequency in a book. If we publishe sensitive frequencies the secrecy that makes it so exciting will be lost and so will the thrill of discovery. There is a certain amount of satisfaction in knowing frequencies that most others don't know about.

Secondly, what is more irritating than those agencies that can't seem to fully modulate their transmissions? This must be done intentionally in my area, as a couple of agencies routinely operate this way. The problem is a scanner volume control dilemma monitoring several frequencies with one or two being poorly modulated.

Mike Schroeder (AR-013)

Dear Editor:

I would like to see each column print a year end cumulative article index, similar to those published by Eric Christensen in the California Public Safety Columns of June, 1980 and July, 1981.

Why not take a vote of all column editors and see what they think? This project will require some extra effort on their part, but if they prove unwilling, then a separate committee can accomplish the task. Should this be the case, I want to be on that committee.

Thank you,
Greg Griffin (CA-OR-206)

ATTENTION RCMA MEMBERS . . .

For those of you who are interested in sending column material to or otherwise communicating with the RCMA Newsletter, please follow these guidelines:

- Include your name and I.D. number: this is the only way a column editor can give credit for your material. (To those of you who have identified yourselves only to see your contributions printed with no acknowledgement, I can say only that when/if the omission is brought to my attention, I will give belated credit, e.g., see Technical Topics this month.)

- If your intent in writing a "letter to the editor" is to see that letter published, please address it to Ginny Slick. The postage costs involved in forwarding such material to Ginny preclude continuing the practice.

- If you disagree with content published within a given column, please contact the column editor involved.

EDITOR WANTED: We are still looking for a qualified AIRCRAFT Editor. If you are interested, please write to Ginny Slick, RCMA Assistant Editor (see inside front cover).

Carol Ruth
RCMA Managing Editor

A SPECIAL ANNOUNCEMENT FROM THE GREATER LA AREA CHAPTER OF R.C.M.A.

To all members of R.C.M.A. especially those who do not live in within driving distance of Orange County.

We call your attention to the following description of an Amateur Radio License audio tape course that has been created by Gordon West CALA017.

The majority of the LA Area members have taken advantage of Gordon's classes and have aquired our tickets to talk on as well as monitor the ham bands.

Now Gordon has packaged his lectures and made them available to all. We wish him the best of luck in this endeavor and to thank him for the help he has given the members of the local LA Area R.C.M.A. Chapter.

PRESS RELEASE

FOR IMMEDIATE RELEASE

2414 College Drive
— Costa Mesa — CA 92626 —
(714) 549-5000

Gordon West's **RADIO SCHOOL**

LEARNING CODE IN STEREO

Costa Mesa, California, January 1, 1983 — — RADIO SCHOOL STEREO CODE CASSETTES

RADIO SCHOOL© stereo code cassettes are a fresh new approach to learning the International Morse Code. Developed by Gordon West, WB6NOA, nationally-known writer and instructor, these stereo code cassettes are the first on the market to make code learning easier and fun.

The **RADIO SCHOOL** beginning/novice code course contains four 1-1/2 hour stereo tape cassettes. All instructions are given on the **RADIO SCHOOL** cassette. There is no paperwork to lose. The **RADIO SCHOOL** code course is intended for students having no previous background in code sending or receiving. By the end of the fourth **RADIO SCHOOL** tape cassette, students will be able to send and receive code at 6 WPM and pass a novice class amateur radio code examination. They will know enough code for shortwave listening as well. Each **RADIO SCHOOL** code tape meets published FCC code tape specifications. The code generated is identical to typical FCC code test tapes. This familiarizes students with the tone, speed, and dit-dah ratio sent by the FCC or volunteer amateur radio examiners.

The new **RADIO SCHOOL** novice stereo code course is $39.95. Add $3.00 for shipping. California residents, add 6% sales tax. All orders shipped out first class mail or UPS. Save time and pick up the course at your local radio dealer.

RADIO SCHOOL also offers code courses for upgrading to FCC general class, and to extra class. Code test cassettes for instructors are also available. Theory cassettes are available for students wishing to pass any grade of amateur radio license.

ASSOCIATION OF NORTH AMERICAN RADIO CLUBS

NEWS HIGHLIGHTS

ANARC is a federation of the most responsible, well established radio listening clubs in North America. RCMA attained Full Member status in ANARC in 1977. For a list of the ANARC Member and Associate Member clubs send a self-addressed, stamped business size envelope with your request to the address below.

For an annual subscription to the ANARC Newsletter, send $5 to:
Joe Barr, 1500 Bunbury Drive, Whittier, CA 90601. ($8 overseas subscription.)

ANARC Convention 1983

July 15,16,17,18 1983 Westpark-Best Western Hotel
Rosslyn, Arlington, VA

The hotel is located accross from D.C.'s Georgetown, and is directly on the Metro line. Rates will be $45.00 per night, single, or $22.50 each for a double room. For more information send a SASE to WADXA, 606 Forest Glen Road, Silver Springs, Maryland, 20901, U.S.A.

Southern California Dxers (SCADS) have tentatively scheduled 12 February for an all day meeting. For more information send SASE to Don Schmidt, 3809 Rose Ave, Long Beach, CA 90807 (213) 424 4634 evenings

Central Maryland Dx Association meets on the 2nd Monday of each month. for information contact Tony Kobylski (301) 563 0039

American Shortwave Listeners Club will have a meeting 5 February at 11 AM 16182 Ballard Lane, Huntington Beach, CA 92649. For more information (714) 846 1685

A new club list is available for a SASE from ANARC Publisher, 1500 Bradbury Drive, Whittier, CA 90601

Aircraft

Send private, commercial, firefighting and law enforcement aircraft frequencies of interest in the 108-136 MHz range and frequencies in other bands above 30 MHz associated with airports and aircraft plus questions, articles and tips related to aircraft monitoring to:

Due to technical difficulties the list of Aircraft frequencies that was supposed to be presented this month have not been reproduced. Our apologies to Bill Mauldin.

BELOW 30 MHZ

Robert Horvitz, editor

This column is for AM, SSB, RTTY, CW & FAX reception reports, explanatory notes, articles, news & questions related to HF utilities. Services covered in this column include civilian aeronautical, coastal/marine, government, military, weather, etc. – essentially everything except broadcasting, CB & amateur radio. Send to: Robert Horvitz, 54 East Manning St., Providence, RI 02906

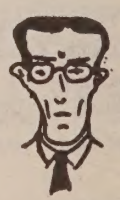
Great--the secretary's gone home for the day, so I can slip into this office and use the Selectric...

It looks like the US Senate is finally going to consider the treaty containing the results of WARC-79 sometime between Thanksgiving and Christmas, so, anticipating approval, here's a summary of

The Post-WARC Band Plan for 4-30 MHz

Note that some new allocations are to be phased in gradually. Also, many international broadcasters are moving out-of-band because of severe overcrowding in the broadcast bands. Thus, this list isn't to be regarded as definitive, even though it's based on the Final Acts of the Conference, published by the ITU. Services named in brackets [] have secondary status: they must not interfere with primary services, listed here without brackets. Allocations are world-wide except where noted. Definitions and comments at end:

4.000 - 4.063	Fixed. Maritime Mobile (radiotelephony only).
4.063 - 4.438	Maritime Mobile. [Domestic Fixed in USSR, China, et al.]
4.438 - 4.650	REGIONS 1 & 2: Fixed. Mobile except Aero Mobile (R). REGION 3: Fixed. Mobile except Aero Mobile.
4.650 - 4.700	Aero Mobile (R).
4.700 - 4.750	Aero Mobile (OR).
4.750 - 4.850	REGION 1: Fixed. Aero Mobile (OR). Land Mobile. Broadcasting (only in tropics). REGION 2: Fixed. Mobile except Aero Mobile (R). Broadcasting (only in tropics). REGION 3: Fixed. Broadcasting (only in tropics). [Land Mobile.]
4.850 - 4.995	Fixed. Land Mobile. Broadcasting (only in tropics).
4.995 - 5.005	5 MHz Standard Freq/Time Signal. [Space Research: 5.003 - 5.005.]
5.005 - 5.060	Fixed. Broadcasting (tropical zone only).
5.060 - 5.250	Fixed. [Mobile except Aero Mobile] (primary in USSR).
5.250 - 5.450	Fixed. Mobile except Aero Mobile.
5.450 - 5.480	REGIONS 1 & 3: Fixed. Aero Mobile (OR). Land Mobile. REGION 2: Aero Mobile (R).
5.480 - 5.680	Aero Mobile (R).
5.680 - 5.730	Aero Mobile (OR).
5.730 - 5.950	REGION 1: Fixed. Land Mobile. REGION 2: Fixed. Mobile except Aero Mobile (R). REGION 3: Fixed. [Mobile except Aero Mobile (R).]
5.950 - 6.200	Broadcasting.
6.200 - 6.525	Maritime Mobile. [Domestic Fixed.]
6.525 - 6.685	Aero Mobile (R).
6.685 - 6.765	Aero Mobile (OR).
6.765 - 7.000	Fixed. [Land Mobile] (primary in USSR & Mongolia).
7.000 - 7.050	Fixed (only in African countries).
7.000 - 7.100	Amateur. Amateur-Satellite.
7.100 - 7.300	REGIONS 1 & 3: Broadcasting. REGION 2: Amateur.
7.300 - 8.100	Fixed. [Land Mobile.]
8.100 - 8.195	Fixed. Maritime Mobile.
8.195 - 8.815	Maritime Mobile.
8.815 - 8.965	Aero Mobile (R).
8.965 - 9.040	Aero Mobile (OR).
9.040 - 9.500	Fixed.
9.500 - 9.900	Broadcasting (phasing in).
9.775 - 9.900	Domestic Fixed (phasing out).
9.900 - 9.995	Fixed.
9.995 - 10.005	10 MHz Standard Freq/Time Signal. [Space Research: 10.003 - 10.005]
10.005 - 10.100	Aero Mobile (R).
10.100 - 10.150	Fixed. [Amateur.]
10.150 - 11.175	Fixed. [Mobile except Aero Mobile (R).]



Aeronautical Mobile (OR):

3.025 - 3.400
R1+3: 3.500 - 3.950
R2: 3.750 - 4.000
R1+2: 4.438 - 4.650
4.700 - 4.750
R1+2: 4.750 - 4.850
R1+3: 5.450 - 5.480
5.680 - 5.730
R2+3: 5.730 - 5.950
6.685 - 6.765
8.965 - 9.040
[10.150 - 11.175]
11.175 - 11.275
13.200 - 13.260
[13.410 - 13.600]
[13.800 - 14.000]
[14.350 - 14.990]
15.010 - 15.100
17.970 - 18.030
[20.010 - 21.000]
[23.000 - 23.200]
23.200 - 23.350
27.500 - 28.000
29.700 - 30.005

11.175 - 11.275	Aero Mobile (OR).
11.275 - 11.400	Aero Mobile (R).
11.400 - 11.650	Fixed.
11.650 - 11.700	Domestic Fixed (phasing out).
11.975 - 12.050	Domestic Fixed (phasing out).
11.650 - 12.050	Broadcasting (phasing in).
12.050 - 12.230	Fixed.
12.230 - 13.200	Maritime Mobile.
12.230 - 12.330	Fixed (phasing out).
13.200 - 13.260	Aero Mobile (OR).
13.260 - 13.360	Aero Mobile (R).
13.360 - 13.410	Radio Astronomy. Fixed.
13.410 - 13.600	Fixed. [Mobile except Aero Mobile (R).]
13.553 - 13.567	Industrial, Scientific & Medical Applications.
13.600 - 13.800	Broadcasting (phasing in). Fixed (phasing out).
13.800 - 14.000	Fixed. [Mobile except Aero Mobile (R).]
14.000 - 14.250	Amateur. Amateur-Satellite.
14.250 - 14.350	Amateur. Fixed (in USSR, China, Iran, et al.).
14.350 - 14.990	Fixed. [Mobile except Aero Mobile (R).]
14.990 - 15.010	15 MHz Standard Freq/Time Signal. [Space Research: 15.005 - 15.010.]
15.010 - 15.100	Aero Mobile (OR).
15.100 - 15.600	Broadcasting.
15.450 - 15.600	Fixed (phasing out).
15.600 - 16.360	Fixed.
16.360 - 17.410	Maritime Mobile.
16.360 - 16.460	Fixed (phasing out).
17.410 - 17.550	Fixed.
17.550 - 17.900	Broadcasting.
17.550 - 17.700	Fixed (phasing out).
17.900 - 17.970	Aero Mobile (R).
17.970 - 18.030	Aero Mobile (OR).
18.030 - 18.068	Fixed. [Space Research: 18.052 - 18.068.]
18.068 - 18.168	Amateur. Amateur-Satellite. Fixed (phasing out, except in USSR).
18.168 - 18.780	Fixed.
18.780 - 18.900	Fixed (phasing out). Maritime Mobile (phasing in).
18.900 - 19.680	Fixed.
19.680 - 19.800	Fixed (phasing out). Maritime Mobile (phasing in).
19.800 - 19.990	Fixed.
19.990 - 20.010	20 MHz Standard Freq/Time Signal. [Space Research: 19.990 - 19.995.]
20.010 - 21.000	Fixed. [Mobile.]
21.000 - 21.450	Amateur. Amateur-Satellite.
21.450 - 21.850	Broadcasting.
21.750 - 21.850	Fixed (phasing out).
21.850 - 21.870	Fixed (Aero Fixed & Aero Mobile (R) primary in Socialist countries).
21.870 - 21.924	Aero Fixed.
21.924 - 22.000	Aero Mobile (R).
22.000 - 22.855	Maritime Mobile.
22.720 - 22.855	Fixed (phasing out).
22.855 - 23.000	Fixed.
23.000 - 23.200	Fixed. [Mobile except Aero Mobile (R).]
23.200 - 23.350	Aero Fixed. Aero Mobile (OR).
23.350 - 24.000	Fixed. Mobile except Aero Mobile (for Maritime, intership CW only).
24.000 - 24.890	Fixed. Land Mobile.
24.890 - 24.990	Fixed & Land Mobile (phasing out). Amateur. Amateur-Satellite.
24.990 - 25.010	25 MHz Standard Freq/Time Signal. Space Research: 25.005 - 25.010/
25.010 - 25.070	Fixed. Mobile except Aero Mobile.
25.070 - 25.210	Maritime Mobile.
25.550 - 25.600	Fixed & Mobile except Aero Mobile (phasing out).
25.550 - 25.670	Radio Astronomy.
25.670 - 26.100	Broadcasting.
26.100 - 26.175	Maritime Mobile (phasing in). Fixed & Landmobile (phasing out).
26.175 - 27.500	Fixed. Mobile except Aero Mobile.
26.957 - 27.283	Industrial, Scientific & Medical Applications.
27.500 - 28.000	Meteorological Aids. Fixed. Mobile.
28.000 - 29.700	Amateur. Amateur-Satellite.
29.700 - 30.005	Fixed. Mobile.

Charles Chenery((NZ-001) writes from Auckland: "Secy of Defense Weinberger recently visited New Zealand aboard SAM 86970 and I was able to 'catch' his pilot receiving guidance from Auckland Control (8847) on the flight from Canberra to Ohakea. In possession of the return flight time from Wellington to Honolulu, with headphones on and all systems go, I sat patiently for two hours just to find that SAM 86970 had headed for home via Gisborne instead of over Auckland --the normal route. Am I downhearted? NO! I'll be trying again next time a VIP comes this way."

Charles adds: "Antarctic flights are now in full swing and can often be heard on 8997 and 13251 after 0600Z." With his letter he enclosed a flight chart explaining the geography. It shows additional frequencies for Auckland Radio: 2945 5643 13300 17904.

Mike Redman, former Pres of RCMA writes to say he is alive and well and just getting into HF with recently acquired Army surplus R388-URR & R390A-URR receivers. He asks, "Would you know where to obtain operator's manuals on these?" Any clues, readers?

2nd ed. of Ferrell's Guide to RTTY Freqs delayed--now due out in February.

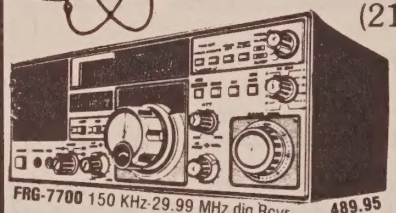
REGION 1 = Africa, Europe & Soviet Asia. REGION 2 = North & South America. REGION 3 = South Asia, Australia & South Pacific. Mobile services = Land, Aero & Maritime. Thus, "Mobile except Aero Mobile (R)" = Land, Maritime & Aero Mobile (OR). (R) = aircraft using civil aviation routes. (OR) = not restricted to civil aviation routes, i.e. military aircraft. Fixed = all non-mobile point-to-point stations regardless of emission type.

The General WARC in 1979 wasn't able to deal with all outstanding issues, so a series of specialized WARCs will be held thruout the 80s. A WARC for mobile services will be held in in Geneva next Feb 28 - March 18. The US proposals were summarized in the July 16 issue of the Federal Register. Highlights: The Intergovernmental Maritime Consultative Organization has been working on a new global maritime distress and safety system. At WARC, the US will propose to use Maritime VHF Channel 6 for the voice distress SAR (search and rescue) part of the system; Channel 70 for narrow-band direct-printing distress and safety traffic; and Channel 76 exclusively for DSC (digital selective calling?) distress alert messages. At the same time, the US will propose to make the watch on 2182 kHz non-mandatory for public correspondence coast stations, but the watches on 4125 and 6215.5 kHz and 156.8 MHz mandatory "so long as the station forms an essential part of the coverage area for distress purposes." To make contact between Aero and Maritime Mobile services easier, the US will propose that the shared bands at 4000-4063 and 8100-8195 be used "in a cross-band mode for duplex radiotelephone, which we believe has the highest priority of need." By cross-band, I think they mean one-way channels at 4 MHz paired with one-way channels at 8 MHz. The Conference is also expected to consider changing the Maritime Mobile HF radiotelephone channel-spacing from 3.1 to 3 kHz. The US position is that the amount of spectrum freed this way would be trivial--less than one new whole channel at 4 MHz--and costly to implement. Thus, it should not be made mandatory at this time--though planning for future band use should assume 3 kHz spacing.

Our guest artist this month--the one responsible for the portrait-doodles--is none other than President Reagan, whom I heard flying to California for Thanksgiving on Nov 23, using 6715 LSB as the voice primary. Well, see you next month. Lotsa goodies already on hand...

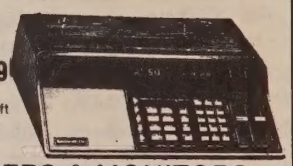
GALAXY ELECTRONICS

Box 1202 • 67 Eber Ave.
Akron, Ohio 44309
(216) 376-2402 9-5 pm. est.



FRG-7700 150 KHz-29.99 MHz dig Rcvr. . . . **489.95**

BC 100. . . . 288.49
•8 band, 16 channel
•Crystalless programable
•Hand held



BC 350. . . . 384.49
•7 band, 50 channel
•Crystalless, covering AM aircraft and public service bands
•Alpha-numeric readout
•AC/DC

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KENWOOD
R-1000 200 KHz-30 MHz digital Rcvr. **419.95**
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RF-2200 8-band portable Rcvr. **179.95**
RF-2600 6-band digital Rcvr. **199.95**
RF-2900 5-band digital Rcvr. **249.95**
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RF-4900 10-band digital Rcvr. **397.95**
RF-6300 8-band digital Rcvr. **504.95**
SONY
ICF-2001 AM/FM/CW/SSB shortwave Rcvr. . . . **269.95**
ICF-6500W AM/FM/shortwave port Rcvr. **189.95**
YAESU
FRG-7700 150 KHz-29.99 MHz dig Rcvr. **489.95**
MU-7700 Memory unit. **147.95**
FRG-7 SW receiver w/batt holder. **298.95**
YH-55 Headphones. **19.95**
QTR-24D Deluxe 24 hour world clock. **54.95**

KENWOOD-R-1000
R-1000 200 KHz-30 MHz digital receiver. **419.95**

SCANNERS & MONITORS

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BC-350 50 ch scanner, alpha-numeric. **384.49**
BC-300 50 ch scanner, service search. **343.49**
BC-250 50 ch programmable scanner. **269.49**
BC-20/20 40 ch programmable w/aircraft. . . . **289.49**
BC-210XL 18 ch programmable scanner. **224.49**
BC-160 16 ch programmable scanner. **189.49**
BC-150 10 ch programmable scanner. **169.49**
BC-100 16 ch programmable pocket scanner. . . **288.49**

REGENCY
ACT-R-1040 10 ch programmable scanner. . . . **138.95**
D-100 10 ch programmable scanner. **168.95**
D-300 30 ch programmable scanner. **198.95**
D-810 50 ch prog w/aircraft, FM broadcast. . . . **269.95**
M-100 10 ch programmable scanner. **199.95**
M-400 30+545 ch programmable scanner. . . . **229.95**
K-100 10 ch programmable scanner. **149.95**
ACT-R-92AP 9 ch aircraft scanner w/priority. . . **134.95**

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PAID ADVERTISEMENT

Business, Etc.

This column is for reporting frequency and radio system information for the following varied services: business, forest products, petroleum industry, special industrial, manufactureers, news media (behind-the-scenes radio, TV & newspaper), motion picture industry, security (private patrol, detective agencies, campus security & police, amusement park & stadium security, shopping center & mall security, plant/business/hotel security, etc.), General Mobile Radio Service (GMRS), mobile phone/RCC & paging, trucking firms, bus lines, taxi cabs, tow trucks, utility companies (private & municipal water, power, electric, gas, telephone, etc.), and all school & college related frequencies. Send information and questions pertaining to the radio services covered in this column to:

Larry Smith, 1223 Vinsetta Blvd., Royal Oak, MI 48067.

WELCOME TO ANOTHER ISSUE OF BUSINESS & ETC. AND SEEING THE NEWSLETTER IS BEING CUT DOWN SIZE FOR A SHORT WHILE, LET'S GET ON WITH MORE INTERESTING CONTRIBUTIONS, TO GET AS MANY AS POSSIBLE THIS TIME AROUND.....

APOLOGIES ARE IN ORDER to Rickey Stein (NJ-001) and Dave Spengler (OH-076) for not running their material (first contribution below) when it should have been - in the December issue.

Editor

R H MACY (BAMBERGERS)

KAU 338	Maspeth	NY	151.835		
KDF 788	Newark	NJ	151.865		only ID by voice on tape
KEU 875	Rockaway Twp	NJ	151.865		
KH 6620	----	NJ	151.835		
KJT 278	Wayne	NJ	151.865		
KOH 945	Augusta	GA	462.175		
KP 8335	----	GA	462.175		
KRD 792	Atlanta	GA	462.175		
KRE 212	Cherry Hill	NJ	151.865	(9)	
KRE 213	Menlo Park	NJ	151.865		Menlo Park Shop. Center
KRE 214	Morristown	NJ	151.865		'Control'
KRE 215	Eatontown	NJ	151.865		Monmouth Mall
KRE 216	Paramus	NJ	151.865	(12?)	
KRE 217	Nanuet	NY	151.865		
KRL 615	Ea Brunswick	NJ	151.865	(15)	Brunswick Square Mall
KSH 530	Cherry Hill	NJ	151.865	(9)	
KSH 533	Montgomeryville	PA	151.865	(26)	Montgomery Mall,'Mtg. Operator'
KTI 977	Columbia	SC	462.175		
KTI 978	Atlanta	GA	462.175		
KTI 979	Decatur	GA	462.175		
KTI 980	Atlanta	GA	462.175		
KTS 856	Princeton	NJ	151.865		Quakerbridge Mall,'Pr.Control'
KTS 858	Keasbey	NJ	151.865		
KT 2894	----	MO	464.800		
			469.800		
KUL 399	Maspeth	NY	151.745		
KUX 758	Middletown Twp	PA	151.865	(19)	Oxford Valley Mall
KWD 547	Springfield	PA	151.865		(Delaware Co.),ports.are'Inspectc
KWF 361	Newark	NJ	151.835		
KWR 679	Kansas City	MO	464.800		
KWW 915	----	USA	151.625		
KXY 676	Deptford	NJ	151.865	(21)	Deptford Mall
KYH 214	Macon	GA	462.175		
KYO 938	Kansas City	MO	464.800		
KZL 394	Whitehall	PA	151.865		Leheigh Valley Mall
KZL 593	Toms River	NJ	151.865	(24)	Ocean County Mall
WAJ 230	Kansas City	MO	469.800		
WQL 346	King of Prussia	PA	151.865		
WSG 342	Union City	GA	462.175		
WXW 607	Newark	DE	151.865		
WYD 586	New York	NY	151.655		

Signals: 1 30 33...(in progress) 35 40 phone
44 50 suspect-shoplifter 70...(customer fell)
81 90

Most of the bases ID by call signs or like 'Montgomery Operator' or 'Control' as indicated.

Listing on the fiche was by various combinations including:
RH Macy, RH Macy and Co, RH Macy and Co, Inc, RH Macy Inc, RH Macy&Co
RH Macy &Co INC,RH Macys Co Inc, RH Macys &Co INC, RM Macy

FROM NEW YORK COMES A FINE LIST OF "FEDERAL EXPRESS CORP. FROM ART [NY-022]:

463.700/468.700	WXE-419	BINGHAMTON, N.Y.
463.325/468.325	KZB-818	BUFFALO, N.Y.
469.650	WBK-540	CHEEKTOWAGA, N.Y.
463.600/468.600	WSH-788	ELMIRA, N.Y.
461.675/466.675	WRQ-576	FREWSBURG, N.Y.
806.1875	WCV-297	HARRISON, N.Y.
806.1125/851.1125	KIG-713	HUNTINGTON, N.Y.
461.700/466.700	KXL-451	IONIA, N.Y.
468.700	WDQ-772	JOHNSON CITY, N.Y.
461.200/466.200	KYP-772	LA FAYETTE, N.Y.
467.700	KAB-1551	LATHAM, N.Y.
463.825/468.825	WXC-489	NEWBURGH, N.Y.
463.675/468.675	WQU-545	NORWICH, N.Y.
463.750/468.750	WSX-982	ROTTERDAM, N.Y.
462.700/467.700	KAB-1550	TROY, N.Y.
464.175/469.175	WRN-556	UTICA, N.Y.

ART ALSO INCLUDES A FEW LISTINGS FOR "PUROLATOR COURIER" COMPANY:

457.625	KZO-421	BUFFALO, N.Y.
452.375/457.375	KEC-957	HUNTINGTON, N.Y.
457.675	WYR-698	ROCHESTER, N.Y.
457.625	KZ-1359	SYRACUSE, N.Y.

THANKS MUCH FOR A WELL DONE LIST ART AND SORRY THERE HAS BEEN A DELAY WHICH I HAVE EXPLAINED TO YOU. IS REFRESHING TO SEE SOME 800 MHZ LISTINGS NOW AND THEN TOO, FOR WHEN RADIOS COME OUT ON THE MARKET.

FROM JIM [IL-060] COMES A POT-POURRI LIST EROM THIS PART OF THE STATE [NORTHERN] WITH THE HELP OF JERRY [OH-015], THANKS GUYS:

33.060	KSD-465	CHICAGO STRTS. & SAN. CABLES
44.540	KSA-930P	CTA "SUPERVISORS" CHICAGO, ILL.
44.600	KJF-216	SAME
150.905	KSA-977	CHICAGO MOTOR CLUB
151.565	KSI-331	LINDHAL BROS. EXCAVATING, BESSEN-VILLE, ILL.
151.625	KVM-426	PCS CORP., WAUKEGAN, ILL.
151.625	KXT-821	MARRIOT CORP., LINCOLNSHIRE RESORT
151.715	KLT-261	AMERICAN NATIONAL BANK & TRUST, CHICAGO, ILL.
151.805	KZZ-872	SHERATON O'HARE HOTEL
151.805	KZZ-853	SHERATON INN, SCHILLER PARK, ILL.
158.760	KBW-417	CHICAGO O'HARE SNOWPLOWS
158.780	KBW-421	CHICAGO O'HARE SNOWPLOWS [ZX]
158.805	KSF-382	CHICAGO O'HARE [SNOWSHOE]
159.495	KL-5523	BRINKS, CHICAGO, ILL.
159.495	KL-8820	BRINKS, CHICAGO, ILL.
** 159.495	KPS-039	BRINKS, CHICAGO, ILL.
451.400	KSH-889	ILL. BELL PHONE MAINT.

** [Ed. Note: THIS ALLOCATION IS ALSO FOR THE U.S. TOO.]

THE LAST CONTRIBUTION THIS MONTH IS FROM MATT [WAS012] WHICH I WILL ALSO RUN AS RECEIVED. THANKS MATT! [Ed Note: YES, EVEN IN THE S.E. PART OF MICHIGAN I HEAR A FEW SECURITY POLICE ON THE R.C.C. PHONE CHANNELS, EVEN SERVICES LIKE NEIBORHOOD WATCH PROGRAMS. ONE NEVER KNOWS WHAT ONE WILL HEAR ON SOME FREQUENCIES THESE DAYS.]

THANKS TO ALL,

LARRY [MI-001]

152.150 MHZ belongs to Feeks Mobile Telephone Service. You will hear NO call letters (least I never do), but will hear the dispatcher only reply, "Seattle Exchange". You will hear a variety of calls, ranging from business to government. One evening, one of the units called Exchange to place a call to the Seattle Police Department. There was a disturbance on the Seattle waterfront, and the individual contacted his supervisor, who was head of the riot squad, asking for back-up. You might also hear cars being kept under surveillance by "mysterious, unidentified units", or you might hear a caller being asked by another party, what his location is, and instead of replying, Mercer Island Floating Bridge, you might hear, "Area 3, section 12". Feeks Mobile Telephone Service has just announced that voice paging is now obselete, and Feeks is slowing changing to digital display read-out units, which will provide a challenge to us audio listeners!

CANADA

Send Canadian frequency information, radio system details and other information relating to Canadian monitor radio listening and questions to:
Robert Berezowski, 5832 Dalhousie Drive NW, Calgary, Alberta T3A 1T1 Canada.

Hello all and welcome to this month's column. It promises to be rather short this month because of my work load. You see I looked at my schedule and I thought that it was only 2 weeks to exams, and I was only 3 weeks behind. Then I saw I had to do a column or I would be pounced upon by the caped crime fighters of Gotham City.

I have spent a very fascinating couple of months working on the computers at the U of C. We have a very limited amount of computer funds available, so this made it necessary to work late at night. It was really fun to decipher error messages such as "This open attribute cannot be supplied while the file is already connected." Another favorite was "Fatal diagnostic error by Berezowski.Engg327F. Error handler returns system to command level." Try sorting those out at 4 a.m! Of course it wasn't all that bad. I managed to make myself available to help a good friend of mine get her programs running. I had a lot of fun, and I will be sorry when she finishes.

Moving to computers of a slightly different kind, I have received the final installment of the series of articles supplied by Chris(CAN-061) on the OPP radio system. This article goes into good detail on the operational modes of the system from a scanner's point of view. Without further adieu, here are the relevant excerpts. This article comes from the OPP Review of Sept 82 and is entitled "New Channels Provide Clear Voice Path"

When a call is received at the Com Centre, it is dispatched to the proper unit in the detachment area by two sub-systems. One uses computer selected channels while the second system uses manually selected channels.

The automatic channel sub-system is used for all normal mobile communications. It is composed of nine groups of channels. Each radio tower in the province is allocated one group of channels for the use of all mobiles within its coverage area. There will be several towers in each district.

A clear channel on each tower continuously transmits marked idle messages which identify the district and tower number. Mark idle messages are short computer-generated bursts of data which are not heard by the mobile operator. Each mobile operating in a given tower area locks onto the channel on which the marked idle is being transmitted.

When an officer wishes to use his radio for normal communications with the Com Centre, he will push the request to talk(RTT) button. This causes a data burst to be sent to the Com Centre.

At the Com Centre, a computer will automatically shift the idle marker to another unused channel. All other mobile units follow the idle marker to the new channel, and the unit wishing to talk to the Com Centre has a clear channel. A similar process happens when a unit is called by the Com Centre. The process sounds slow but actually occurs very quickly. The channels are eventually cycled as channels are used and reused. When the mobile leaves the district, the officer merely enters the new district number on the radio and communication can proceed. The mobiles also provide the operator with status messages that are button activated. These will transmit the status change in a data burst on the automatic channels.

The new radio system will operate in five modes. First is normal mode, described above. Routine messages such as CPIC checks will be made via this mode. The next mode is tactical or TAC. This mode also uses the automatic channels by locking selected units onto one automatic channel. The other units in the area will be on another channel. The last mode using the automatic channels is the telephone mode. The use of this mode will be highly restricted.

The other two modes use the manual channels. One is the OPC common channel. The other manual channel is Simplex. The Com Centre can monitor both Simplex and OPC common. Simplex will be used in the event of a failure of the automatic channels. Special services units will have restricted Simplex channels which will not be available to patrol cars.

The article indicates that system operation should begin operation by March, 1983. Installation in the rest of the province should proceed at the rate of two districts a month. The entire system should be operational by November, 1983.

I hope that helps you to figure out the new system. It sounds like a very good system, but a hard one to monitor. As I understand it, one would have to enter a lot of frequencies into the scanner in order to listen to traffic that can be heard on one of these channels.

While I am on the subject of the OPP system, here are some more frequencies for the new system. These were sent by Guy(CAN-031).

140.970	Edgar
"	Penetangueshene
"	Peterborough
"	Sunderland
"	Buckhorn
"	Coboconk
"	Haliburton
"	Bracebridge
141.195/139.185	Haliburton
141.300/139.950	Haliburton
141.390/139.470	Haliburton
141.405/139.095	Penetangueshene
141.435/139.155	Edgar
141.450/139.200	Sunderland
141.495/139.290	Coboconk
141.540/139.305	Sunderland
141.555/139.320	Buckhorn
141.630/139.260	Penetangueshene
141.675/139.350	Buckhorn
141.705/139.110	Coboconk
141.900/139.455	Edgar

Canada continued

142.365/138.345	Peterborough
" "	Bracebridge
142.665/138.645	Peterborough
" "	Bracebridge
142.770/138.750	Buckhorn
" "	Coboconk
" "	Peterborough
" "	Sunderland
" "	Haliburton
" "	Edgar
" "	Penetangueshene
" "	Bracebridge
143.250/139.230	Bracebridge
143.490/139.185	Bracebridge
143.655/139.065	Edgar

Thanks again Guy for this list. As with the last list of OPP channels Guy sent in, I would like to hear from anyone hearing anything on these frequencies. Even though the list is for a specific region, the frequencies could conceivably be used anywhere in the province of Ontario.

Doug(CAN-041) has given me some interesting frequencies. His sources indicate they are used by Night Hockey Ventures, Inc. They can be used in Vancouver, Edmonton, Calgary, Winnipeg, Toronto, Montreal, and Quebec City. Any hockey fan can tell you that these are the cities in Canada where an NHL Franchise operates. Doug and I would really appreciate it if all the members in these cities will plug the following list of frequencies into their scanners during the NHL games this season. Doug and I would like to know if these channels are used by the National Hockey League.

457.525/457.525
457.575/457.575
467.775/467.775
467.850/467.850

Any results of searches from members will be printed in the column, if the member desires. But as I said, Doug and I would appreciate it.

I guess that about wraps it up for this issue. I have a lot of other interesting material from members that I will publish. For me it is back to the books. I'll have to find some way to get my friend on good terms with the computer. I think Multics hates her. Until next month, good listening.

contact/info wanted

This column has two purposes: to help members contact each other, and to help members obtain information directly from one another on various subjects related to 2-way communications monitoring. If you desire to converse, meet, or correspond with other members by telephone, letter, or cassette tape in a certain geographic area or with members who have similar listening interests, this is the perfect place for you to make known your interests. Remember – those who respond will do so directly, so be sure to provide your phone number, the best time to be called, or your address. Write to:

Amy Polivka, 12906 Ohio Circle, Omaha, NE 68164

WANTED: Information on adding a frequency readout for the DX-160 Communications Receiver. (11-1-82)
ROBERT CARTNER (NC-035), P.O. Box 1533, Statesville, NC 28677

SINCLAIR ZX81/TS1000 USERS: This member would like to hear from any TS1000 user for the purpose of trying to put together a program to log and sort loggings by call, frequency, time, etc. SASE for replies, please. (11-1-82)
RICKEY STEIN (NJ-001), 456 Barrymore Place, No. Brunswick, NJ 08902

FREQUENCY SWAP? Attention members in British Columbia, Alberta, Washington and Oregon states! Anyone interested in swapping your local frequencies for this member's lists, please contact this Canadian member. (11-4-82)
COLIN GASKIN (CANA-096), 45365 Westview Ave., Chilliwack, B.C., Canada V2P1L8 // 604/795-5224

WASHINGTON, D.C. FREQUENCIES: Member looking for interesting Washington, D.C. frequencies. Will trade Illinois and/or East Coast frequencies or pay copying/postage costs. Needed by end of February or early March. (11-4-82)
ART KIMBALL (IL-195), 802 N. Parke St., Tuscola, IL 61953

CASSETTE EXCHANGE: This member wishes to exchange cassette tapes of any communications from any area. Is interested mostly in fire, police and marine communications, but will accept other services as well. (11-10-82)
TOM LINK (NJ-126), 1032 Hudson St., Hoboken, NJ 07030

ST. LOUIS AREA MEMBER WANTS CONTACT: New member would like to join nearest RCMA chapter. Want to swap info on police frequencies and monitoring for St. Louis City, St. Louis County, and Highway Patrol. Write or call after 6:00 p.m. (11-22-82)
LEONARD JONES (MO-080), 9776 Bravo, St. Louis, MO 63136 // 314/869-4866

HOUSTON, TX. AREA FREQ. INFO: Member would like to share frequency info with anyone in the Houston metro area. Is especially interested in D.P.S. and Fish and Wildlife areas, as well as federal frequencies. (11-22-82)
GREG MORRIS (TX-?), 6011 Dash Wood #26A, Houston, TX 77081 // 713/665-8415

FCC TOPICS

George DuBois, Editor

FCC news and information of interest relating to two-way communications. Send comments and questions to:
George DuBois, 10048 NE Campaign, Portland, OR 97220

The FCC has released a new set of license microfiche. It is available for public inspection in Field Offices or for purchase from the National Technical Information Service (NTIS). They cover through roughly KNFV callsigns (KND- callsigns were issued next) and are dated August, 82. (I just love giving this information in such a timely manner.)

I've never covered microfiche before since there was so much doubt as to whether it would still be around. The FCC has already gone to computers and the terminals are in use by employees in the field offices. It was fully their intention to discontinue producing the fiche. The only question was how to make the license information available to the public. As recently as July, NTIS was saying that as far as they were concerned they weren't making any more microfiche for the FCC. But apparently public inquiries caused the FCC to reconsider and this new set was made up. What will eventually happen is anyone's guess. They may elect to offer license data to the public in another format, or they may continue to have NTIS make microfiche from the computer data for sale to the public. Don't confuse the FCC microfiche with the IRAC microfiche. The FCC handles all non-government allocations and assignments. the Interdepartmental Radio Advisory Committee (part of the Office of Telecommunications Policy) handles US Government assignments. Due to the profiteering efforts of a few, the IRAC List of US Govt. Radio Stations is no longer available to the public.

Anyway, I've been flooded with a couple of requests for information on the microfiche lately. If you have an FCC Field Office near you, you can go and view it

there. If you don't know how to use their viewer, just ask them. I'm not going to list the field offices here, since I've lost track of which ones have been closed in the last couple of years. Look in the government pages of your phone book. Don't call them on the phone and expect them to look up stuff for you. These are government employees and they have better things to do.

If you don't live near a field office you may purchase the fiche from NTIS. The National Technical Information Service is the agency that disseminates technical information and government-sponsored scientific reports to the public. It is part of the Department of Commerce. Their address is 5285 Port Royal Rd., Springfield, Va. 22161. FCC data is only available on 48X microfiche or magnetic computer tape. It is not available in hard copy (paper) form, so you'll have to own, or have access to, a microfiche viewer. The NTIS stock number is given with the following descriptions so that you may order it if you wish.

There are two sets of fiche that are of particular interest to the scanner enthusiast. The first is the Frequency Master File, Frequency Sequence. If you are going to a Field Office, there will probably be three boxes of fiche. Two will be CB and other garbage, the third will contain the Land Mobile fiche. The Master Frequency File will probably be the thickest in that box. If they have thumb-index cards in the box, it will probably by labeled "Freq.M.F.". Anyway, this is the only set containing complete license data. Now, if you've never used the fiche before, it's probably pretty confusing at first look. The first and last frequency, inclusive (or the last state under a frequency) are printed on the top of each card. If you want an index to the card, look in the bottom right page on each card, although it's just as easy to scan across the card and find the page you want. The cards read in order vertically and the licensees are listed in frequency order. The frequency is the first line of each entry. After that is the symbol for the service the license is issued in, PP, PL, IB, etc. (These symbols are defined on pages G1 through I1 on the first card in the set.) In the middle of the first line is the state. To the right of the state is the city, then the county. Listings are in order by state under each frequency, then by city, then by callsign. You'll have to remember to look under neighboring cities (or states), particularly on UHF, where transmitters or repeaters may be on a hill or mountain, the location of which may be in a different city. The second line contains the type of station (FB is a base, MO a mobile and FB2 a repeater), the type of emission, the power authorized, etc.The next line gives the actual street address of the transmitter or repeater. The next line shows the control point. On VHF this will usually be the base station unless the transmitter is remoted. But on UHF this is the dispatch point, the control station that tranmits to the repeater(as opposed to the location of the repeater itself). Sometimes they give the office (or whatever) address, but usually they just give the control station callsign. If you are looking for a particular callsign, be sure and check this entry, or else check the input frequency (+ 5 mHz). It is perfectly legal to use the control station callsign on the air instead of the repeater callsign Entries on the input frequency will be listed by control station location (not the repeater location) except for newer, system licenses.

All kinds of other data is given. Antenna height, number of mobiles authorized, expiration dates, everything you wanted to know and more. But, it is relatively expensive to buy, $208. The NTIS stock number is PB82-919301.

The second most useful set is the Frequency Master File, Service Group Sequence. It lists licensees by service, Police, Fire, Business, etc. But they are listed by callsign in each service. So you will have to know the call, exactly, to find anything. The licensee name and address are given, the area of operation, frequency, emission, longitude and latitude, number of units and the expiration date. It's not as versatile or as complete, but it's only $122.50. The stock number is PB82-919401.

The three cheapest sets are only indexes. The Licensee Name Index is obviously listings by name, in alphabetical order. The single line entries give the callsign, the service, the state, the city and the frequency. It's kind of hard to use. To find "A B & C Co." , for example, you must look under "A. B. & C. Co.", 'AB & C Co." , "A B and C Co." and A.B. and C. Co." and any other combination you can think of. The ampersand (&) is after the letter "I"in alphabetical sequence. Also, check any abreviations, broadcasting, broadcstg, bdcstg, etc. For Public Safety listings, look up, for example, "City of Gopher Junction" and also "Gopher Junction, City of". This set is only $19.50. (No. PB82-902301)

The Callsign Index is also $19.50 (#PB82-902501). You must know the callsign to use this fiche. If you hear someone on a frequency who doesn't use their callsign, or you can't understand it, you have absolutely no way of looking it up in this set without a lot of effort. The listings give the frequency, the service, the first 20 characters of the licensee name and the state and the city.

If you are going to buy a set of fiche, probably your best bet would be the Transmitter State Index. This set lists licensees by transmitter location, so like I said before, you need to know the exact tranmitter location. But they are listed

by state, and I would assume you would be familiar with your own area. By running up and down the columns you can quickly learn the popular UHF repeater sites in your area. Also, you can quickly run down the service symbol column and pick out specific services, PF listings for Fire, for example. This set is in alphabetical order by locations in each state, in frequency order by each location, and then lists the service , the callsign and the first 20 characters of the licensee name. It's a bargain at $19.50, stock number PB82-902401.

Be prepared to find lots of mistakes in all the microfiche. Not all are the fault of the FCC. Many are due to errors by the licensees when filling out the application forms. You'll spot entries with the first number incorrect, 451.715 instead of 151.715. Almost as common are misplaced decimal points. And 46.425 won't be anywhere near 464.25 in the fiche. If you are looking for a specific station and can't find them, look it up in the Transmitter Location file, the Callsign Index, anyway you can. On UHF, look up the input frequency. The correct entry will show up someplace.

NTIS has lots of other FCC fiche for less than $30. The Community Unit Record for example lists all cable companies, the channels they carry and more. The Aviation Master File lists all aircraft (those with radios) by tail number. Another set lists all wireline common carriers. If you write to NTIS, ask for circular PR 652 for more information.

FEDERAL GOV'T and ☆ MILITARY ☆

Send all Federal Government and Military frequencies (including those of military aircraft), radio system details, and related questions to:
Dennis Biagioli, 607 W. Pleasant Ave., Villa Park, IL 60181

Sensitive frequencies will not be published. Coast Guard material must go to the VHF Marine editor.

Greetings from Villa Park, fresh from record warm temperatures and torrential floods. And when this reaches you it'll probably be 15° below. Gee, Chicago is wonderful this time of year.

Speaking of floods, that brings to mind the Army Corps of Engineers. Let's see what we received from around the membership; frequency, location and use (if known)

162.8125	Michigan
163.0000	Louisville, KY, Dist (paired w/ 163.4125 & 163.4375)
	New Orleans, LA, (input to 163.4375)
163.0250	Louisville, KY, Dist.(paired with 163.5125)
	New Orleans, LA (input to 163.5375)
163.4125	Michigan
	Bayou La Batre, AL, Ch. 3
	Pascagoula & Mobile, AL, Chs. 1 & 6
	Los Angeles area
	Louisville, KY, District (paired with 163.0000)
163.4375	Michigan
	Prarie Creek, AR
	Blue Marsh Lake, Bernville, PA, security
	Kanapolis Dam & Reservoir, KS, security
	Bayou La Datre, AL, Ch. 2
	Pascagoula & Mobile, AL, Chs. 2 & 7
	Los Angeles, CA, area (paired with 163.4125
	Reading, PA, Blue Marsh Dam
163.5125	Louisville, KY, District (paired with 163.0250)
163.5375	New Orleans, LA, Ch. 3(R) (163.025 in); Ch.4(simp)
164.7750	Los Angeles, CA, area, operations
165.1875	Los Angeles, CA, area, most traffic
169.4250	Los Angeles, CA, area, telemetry (with 171.8750)
171.8750	Los Angeles, CA, (paired with 169.4250)

Well, that's it. Several members said they would have sent things had their local offices (like our in Joliet, IL) were victims of budget cutting. Thanks to those who who took the time to share this: Reed Darsey (AL-022); Mike Schroeder (AR-013) Neal Berke (CA-LA-385); Don Gruver (KS-010); Tom Monteverde (LA-003); Robert Anderson (MI-108); and Dave Nugent (IN-002).

BILL POLSGROVE (MS-020) sent the following from NAS Meridian, Mississippi:

	SHORE PATROL	140.700	
	FIRE/CRASH	140.100	
	CDO/RDO	138.350	
TA-4J	VT-7 LINE/MAINT.	140.020	700-740 A/C SIDE NO.
T-2C	VT-9 LINE/MAINT.	141.000	900-920 A/C SIDE NO.
T-2C	VT-19 LINE/MAINT.	138.600	500-512 A/C SIDE NO.
	FUEL FARM	140.900	
	NAS HOSP.	150.075 & 155.475	

SQUADRON NAMES

TRAINING SQUADRON SEVEN.....	GREY OAK	274.7
TRAINING SQUADRON NINE.....	SEER SUCKER	348.0
TRAINING SQUADRON NINETEEN.....	SHINGDEER	308.2

McCAIN FIELD (NAS)	APP.....	276.4,,340.2
	DEP.....	343.7,,360.2
	GRD.....	336.4
	FSS.....	255.4
	ATIS.....	352.2
	McCAIN METRO..	312.4
	GCA.....	266.8
	GCA.....	300.4
	MEM-CNTR.....	263.0
	MEM-CNTR.....	323.0

NOXUBBE,MS. TARGET RANGE	384.4	
McCAIN RESIDENT SAR	282.8	
ALFA OUT LYING FIELD	325.8	(USED BY AIR FORCE MOST)
BRAVO (OLF), PRI.	279.2	(USED BY NAVY,TO PRACTIC'S
SEC.	355.8	STUDENT PILOTS CARRIER LANDING)
MERIDIAN (KEY FIELD)	257.8	

With that we'll close for this month, hoping that '83 is off to a great start for you. May it be your best listening year -- until next year.

CODE 20 RADIO DIRECTORY™

N.E. U.S. EDITION NEWLY REVISED!

- State/County Public Safety 2-Way Radio Systems
- Intersystem & Tactical State-Wide Networks
- National Disaster/Distress Frequencies
- State & National 10-Codes
- Radio Band Frequency List
- Monitoring & The Law
- Channel #s/System Uses
- State Troopers/Highway Patrol
- Civil Defense/Search & Rescue
- County Sheriffs/Fish & Game
- Turnpike Authorities
- Department of Motor Vehicles
- Forest Rangers/ Indian Affairs
- Correctional Institutions
- Radar Communications
- CB Calls for State Patrols

By Nathan Young

RCMA #FL-021

PAID ADVERTISEMENT

(No single state directories sold if state is already included in area group publication)

AVAILABLE IMMEDIATELY:
NORTHEAST U.S. EDITION (CT, DE, MA, MD, ME, NH, NJ, NY, PA, RI, AND VT)
NORTHEASTERN GULF COAST (S AL, S MS, S LA, NW FL)
CALIFORNIA WITH CHP MAP
AR, FL, GA, MO, OK, TX
8-10 WEEK DELAY:
AL, KS, LA, MS, TN

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*NORTHEAST U.S. EDITION (11 STATES)--$14.95
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*AR, FL, GA, MO, OK, TX (ANY ONE)-----$ 6.95
**AL, KS, LA, MS, TN (ANY ONE)---------$ 6.95
(FLORIDA RESIDENTS, PLEASE ADD 5% STATE SALES TAX.)

(*AVAILABLE IMMEDIATELY)
(**EXPECT 8-10 WEEK DELAY)

TO ORDER: SEND CHECK OR MONEY ORDER WITH REQUEST TO:
CODE 20 RADIO DIRECTORY
POST OFFICE BOX 4033
WARRINGTON, FL 32507 20

DEALER INQUIRIES ARE INVITED

International

This column is for reporting two-way communications frequencies above 30 MHz, radio system details, monitoring experiences, and any other information relating to monitoring in countries other than the United States and Canada. Send to: Rickey Stein, 456 Barrymore Place, North Brunswick, NJ 08902.

This month we will conclude with the Mexican listings from member Rafael Mirano.

MEXICALI (State Capital)

POLICE			
Main Dispatch	F-1	166.500 rep.	169.600 input
Main Dispatch	F-2	166.275 rep.	169.375 input
	F-3	166.700 rep.	169.800 input
	F-4	166.800 rep.	169.700 input
FIRE DEPT		166.075 rep.	169.075 input
CITY GOVERNMENT		166.175 rep.	169.150 input
PUBLIC WORKS (CITY)		166.475 rep.	169.450 input
STATE JUDICIAL POLICE		31.850 rep. 162.050	32.200 input
STATE HIGHWAY PATROL		151.825 rep.	150.825 input
FEDERAL HIGHWAY POLICE		154.700 154.730	
PUBLIC WORKS (STATE)		148.175	
MEXICAN RED CROSS AMBULANCES		158.780	
SOCIAL SECURITY HOSPITAL		157.600	
LIGHT AND POWER (C.F.E)		157.775 157.875 158.100 158.175 163.875 rep. 164.025 rep.	Statewide Net Rural 164.900 input
LIGHT AND POWER-CONSTRUCTION DIVISION (CFE)		168.425 rep. 168.600 rep.	MEXICALI VALLEY SOUTH DESERT
HIGHWAY MAINT. (SAHOP)		166.625 rep. 167.300 rep.	160.975 input 161.525 input
STATE AGRICULTURAL AND LIVESTOCK CONTROL OFFICE		148.200 rep.	150.275 input
SONORA-BAJA CALIFORNIA R.R.		167.100 167.625 rep.	YARD LINE 167.150 input

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Will S.-please drop me a note with your new address. Thanx.

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Can any member in Southern Florida ID a noisy repeater heard on 166.390? Probably a gov't operation.

••••••••••••••••

GOOD NEWS-BAD NEWS DEPT: First the bad news.... RMA Electronics has dropped plans for that 225-400 scanner due to several reasons. Good News: By the time you read this, RMA Electronics should be distributing a ten channel programmable unit covering that elusive 225-400 MHz. for considerably less than the projected cost of the previously announced receiver. Please watch the Newsletter for an announcement of this receiver.

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Coming next month.... a 4 day look at radio monitoring in Freeport, Grand Bahamas Island. Til then....שלום

LOW BAND SKIP
Send reports of distant stations received on the 30-50 MHz Band, as well as: information; comments; suggestions; question; and any items of interest regarding Low Band Dxing to:
Mike Britt, 14631 Yorba Street, Tustin, CA 92680

Greetings!

This winter's F_2 skip has been surprizing, to say the least. The culprit, of course, is the sun, for it is the solar activity ("sunspots") which is the primary factor in producing the daily 1,500-3,000 mile skip heard from about the end of August to the end of April for the past few years. Once again, the peak came in the months of November and December in 1982. If you were monitoring the 30-50 MHz band over the Thanksgiving holiday, in the last two weeks of November, you may have noted that the Maximum Usable Frequency (MUF) topped 50 MHz during that period. This was due to a solar flare which greatly disrupted the upper atmosphere. Skip signals on Thanksgiving Day (November 25 for those of us in the U.S.) were numerous and of excellent strength. U.S. fire traffic skip was present on the 46 MHz fire band, and the reception of foreign signals was reported on frequencies in the 48 and 49 MHz range. Good Dx was also reported up in the TV and U.S. FM Broadcast bands as well.

As for the TransEquatorial and associated "double hop" skips (3,000-6,000 mile range), South America sort of took over the North American VHF-Lo Band on the 25th of November. Argentina (where else) and Venezula seemed to produce quite a bit of the Spanish language signals heard throughout the U.S. Unfortunately, the first weeks of December proved to be rather a disappointment, as the effect of the decreasing sunspot activity meant this winter had no extended period in which the MUF was above 46 MHz. Last year, and those previous, had several weeks of 46 MHz fire skip, and 46 MHz Spanish Spanish pagers, during the months of November and December.

SKIP RECEPTION REPORTS

It's about time some of these were included so you can see what othes have been monitoring...

From Chuck (IL-141) received in Southern Illinois; receivers - Bearcat 250s:

45.16 B — Detention Center "KXM629" West Palm Beach, Fla. approx. 920 mi. 10:45 CDT 8/2/82

33.52 B — Fire "KTX540" Crabtree. PA. approx. 540 mi. 14:02 CDT 8/3/82

37.10 B/M — Fire "KKS303" Bandera County, Texas approx. 800mi. 17:00 CDT 8/4/82. Car fire west of CHAT-N-CHEW.

36.14 — Freq. not allocated by FCC (call?) unknown origin

Low Band Skip continued

B/M English accent "Pick up a spare grappel at the rigger shop." 21:05 CDT 8/8/82 This may be an example of "two way" skip (as mentioned in the 9/82 LBS column)* At the time of this logging I was receiving strong South American and weak U.S. East Coast skip.
*(ED note: Later IDed as BIWI English -Origin in the Caribbean region)

31.52 Base/ Rig Offshore Drilling Rigs "KJT851" Gulf of Mexico (land base at Abbeville, Louisiana) approx. 600 mi. 22:30 CDT 8/16/82 "Rig 3, rig 11, this is 851. Oh man, we been havin' soom rain out here!"

From David (CA-SF-025), received in SanFrancisco, Ca. on a Pro-2002:

39.72 PD "KGA 304" Baltimore Co., MD approx 2,600mi. 10:30PDT- 10/02/82
References to: Precinct 7; missing fireman 11:30PDT
from Coffeeville; emergency blood run to Lake County.

39.28 PD "KQB389" Marietta, Ohio approx 2,300mi. 10:59PDT 10/24/82
Unit 14 and a rescue unit responding to a child with a cut hand

39.28 PD "WSL428" Princeton, Ky approx 2,000mi. 11:55PDT 10/24/82
"10-4; WSL 428"

From Tom Link (NJ-126), received in Hoboken, New Jersey, on a Bearcat 300:

39.82 Sheriff "KYT 214" Glacier County, Montana 2000 miles
base 12:35EST 10/31/82 "KYT 214"
ID'ed through vol. 8 POLICE CALL

39.82 Sheriff "KOG 622" State of Montana 2000 miles
base 12:48EST 10/31/82 "KOG 622"
ID'ed through vol. 8 POLICE CALL

39.82 Sheriff "KOA 824" Flathead County, Montana 2000 miles
base 12:54EST 10/31/82 "KOA 824"
ID'ed through vol. 8 POLICE CALL

39.82 Police "KOK 374" Eureka, Mt. 2000 miles
base 13:05EST 10/31/82 "KOK 374"
ID'ed through vol. 8 POLICE CALL

39.82 Sheriff "KYU 522" Broadwater County, Mt. 2000 miles
base 15:20EST 10/31/82 "KYU 522"
ID'ed through volu. 8 POLICE CALL

39.82 Sheriff "KOG 381" Madison County, Montana 2000 miles
base 15:35EST 10/31/82 "KOG 381"
ID'ed through volu. 8 POLICE CALL

Also on 10/31/82, Tom received a Spanish language signal on 39.64, possibly a paging service, as he says: "there was a paging signal, followed by the voice of a young Spanish female." So far, every Spanish pager this editor has logged has ended up being from Argentina (including 37.62, which I listed in the Dec. column as being from Chile, which I first believed was the origin). However, I have no record of Spanish on 39.64. How about the rest of you?

Foreign skip has been bouncing into North America in tremendous amounts. Here are many of the foreign station frequencies which became active in October and November. The foreign freqs. listed in the November and December, 1982, L.B.S. column continued to be active as well. These listed below were received by myself in California:

33.875-Spanish;(R-out)
34.20 -BIWI English, Jamaica
34.25 -Oriental (Korean?)
34.41 -Spanish
34.50 -Oriental (Korean?)
34.66 -Spanish
34.90 -Oriental (??)
35.82 -Spanish
36.14 -Spanish (Gulf dialect)
36.15 -Spanish
36.445-Spanish
36.585-Spanish
36.86 -Spanish prob. Brazil
36.90 -Portuguese;repeated U.S. FD skip from 33.90;(R-out)
37.00 -Spanish (Gulf/trade rt.)
38.25 -Unknown language
38.30 -Spanish Argentina?
38.50 -Spanish
39.22 -Japanese

Low Band Skip continued

39.875-Spanish (R-in)
40.36 -Spanish Argentina?
40.65 -repeated U.S. IB skip; (R-out); input=?? Venezula?
40.68 -Spanish
41.18 -Spanish
42.125-Spanish
42.16 -French (Canada);(Rout)
42.40 -military:"Wiskey-6-Xray"
42.76 -Spanish
42.80 -military:"Echo-5-tango"
42.92 -Spanish
43.175-Spanish
43.50 -Spanish
43.58 -Spanish, paging
43.60 -Spanish
43.73 -Spanish
43.88 -Spanish
43.92 -Spanish
43.94 -Spanish
44.04 -Spanish
44.10 -Spanish&CW
44.35 -Spanish
44.50 -Spanish
44.525-Spanish
44.60 -Spanish,w/tone
44.625-Spanish, radio-telephone
44.655-Spanish, radiotelphone
45.00 -Spanish
46.12(5)Spanish
48.04 -Eng, radiophone not U.S.,(poss. Bahamas).

Although not received by myself, several members have reported a Spanish pager on 31.35 MHz.

Last minute additions:

35.15 Spanish
40.18 Oriental
40.37 Spanish; (R-out)
40.45 Spanish
43.435 Spanish
44.000 Spanish

Also, the following skips have been IDed as being Canadian in origin. Full IDs, and discussion of these Canadian stations will occur in a future LBS column.

33.44 English, Ont.; French, Quebec
33.46 English, Ontario
33.48 English, Ontario;French, Quebec
36.86 English, Ontario
40.12 French (R-out), Quebec
42.16 French (R-out), Quebec
46.68 Ontario

As some of the most mysterious, and most interesting skips have come from what many might pass off as "birdies", I've made it a practice to record all the "blank" signals that I receive. Here are the ones I logged in October and November. If anyone else recalls receiving these, or knows of the reception of one of these, please write me a note...

33.34-open carrier,11/26/82&11/27/82
33.36 -open mike, U.S. IB (eastern) 10/21/82
33.555-carrier keying up 10/22/82
33.92 -continuous carrier 11/19/82
34.36 -continuous carrier 11/21/82
35.06 -continuous carrier regularly heard
35.70 -continuous carrier regularly heard
35.96 -continuous carrier 11/18/82
36.60 -continuous carrier 11/23/82
36.88 continuous carrier
37.42 carrier keying up (Note: South Am. Spanish repeater on this freq.)11/17
38.02 intermittent tones regularly heard
38.75 open carrier 10/21/82
40.37 continuous carrier 10/27/82
40.69 computer generated 11/14&11/28/82
42.975 carrier keying up 11/19/82
46.125 carrier 11/25/82

It should be noted that none of these frequencies appear as regular "birdies" on my scanners. The fact that the transmissions are skips is supported by the fact that they are only present when skip is in, and tend to fade in and out when present.

Something that I must mention is the fact that many members are reporting the presence of SHORTWAVE IMAGES on their scanners when the skip activity is fairly strong. I have had this happen to me myself, even to the point that I was fooled into thinking I was receiving a German STL on one occasion (not quite, Mike). The HF images are usually recognizable by their inability to be tuned in on a precise FM frequency, and, although a steady and constant carrier may be present, there is a very faint audio. Most often, the image will be of an international broadcast sta., but members have also reported images of HF utility, and CW (yes, it does sound weird).

For the Bearcats, the HF images are represented by:

(FM image freq) - 2IF = HF freq (in MHz)

There are definite time patterns, and time frames, for the reception of skip from different areas. Some of the most interesting skips come in early in the morning, and close to sunset, in the place of reception. As a basic guideline, skip from a certain area will be best when the sun is "directly over" that area, in the early afternoon. For example, here on the West coast of North America, the 42 MHz state PDs come in from about 10:00-13:00PST, which are the hours when the sun has been directly over the east coast. Chuck(IL-141) reports the reception of German on 34-35 MHz in the morning hours in Illinois, which corresponds to late afternoon in Germany. George Dubois (OR-001) and myself have been receiving Oriental language in the evening, just before sunset PST, which is mid-morning in the Orient. I will deal with time patterns in more detail later on in the newsletter.

Finally, a request: I have been receiving an Eastern U.S. paging station on 34.64. This is not an image, and it is not of the nature of a military hospital paging sta.

Low Band Skip continued

The problem? - This freq is not allocated for paging! It seems to be ordinary business paging. Does anyone know where it is from? Also, is anyone ever going to tell me where WQO 786 is from?? I have hit a dead end with this one. (Remember, it is an FD on 33.94 and 33.98, Eastern U.S.). The only thing I can figure is that a) the FCC forgot to include it in the microfiche; or b) it is a government agency (such as the FD at a military institution - a federal department), which would explain why the FCC left it out of the microfiche. As they say in Argentina, "Cambio", until March 73, Mike

Marketplace

Gary M. Darcy, Editor

Members may advertise, free of charge, items wanted, items for sale, and items for trade that are associated with the hobby of monitor/utility radio listening. No dealer ads will be accepted for this column. RCMA assumes no responsibility for the outcome of any transactions between members resulting from ads printed in this column. Send to:

RCMA MARKETPLACE, c/o Gary M. Darcy, P.O. Box 1329, Palmdale, CA 93550.

Please be sure to include your membership number.

All Marketplace ads will be accepted ONLY on special forms available from this column's editor. Send a self-addressed STAMPED envelope (business size) to the address above to receive a supply of forms. Foreign members do not need to include postage on envelopes they send.

EDITOR'S COMMENT: The MARKETPLACE column is for advertising EQUIPMENT items related to the hobby of monitor radio listening. If you have INFORMATION you are willing to share with other members, such as frequencies, then you should make use of the CONTACT/INFO WANTED column. That column is edited by Amy Polivka. You will find her column elsewhere in this Newsletter.

Occasionally I will receive material intended for Amy's column. In turn, she has been receiving material intended for my column. Please make sure you are sending your requests to the correct editor. This will avoid delays in getting your ad/listing printed.

(THE CENTERFOLD THIS MONTH IS AN AD REQUEST FORM)

WANTED: Regency ACT-R-20-6 or ACT-E-10-HLU or 16-HLU. Contact: MARK A. THOMAS, SR. (VA-051), 12163 Nokesville Rd., Bristow, VA 22013. (11-15-82)

WANTED: Any kind of radio receiver covering television frequencies. Approximately 400-800 mhz. Contact: REIJO SIIVONEN (FINL-001), Osmonkatu 13, SF-26100 Rauma 10, Finland. (11-9-82)

FOR TRADE: Realistic DX-160. Would like to trade SW receiver for a scanner, preferably a programmable scanner. Am willing to sell SW receiver for $ 150.00. SW receiver is in perfect condition; manual included. Contact: DELBERT SMITH (CAN-083), Box 2360, Tisdale, Sask. S0E-1T0 Canada or phone 306-873-3202. (11-4-82)

FOR SALE: Courier SCMA I. Adapts Courier Cop Scan pocket scanner for under dash vehicle use. $ 30.00. SASE monitor crystal list. Contact: KIRBY NISH (NV-013), 6230 Pursia Rd., Carson City, NV 89701. (11-18-82)

FOR SALE: Bearcat BC-210. $ 100.00. Contact: PAUL FLAUTT (OH-108), 2141 Gaylord Pl., Columbus, OH 43227 or phone 614-237-9300 between 0900-1400 EST. (11-2-82)

FOR SALE: I have 1982 state index microfiche. $ 2.00 in money order or $ 2.00 worth of 20¢ stamps for each city. Contact: JOE M. LEWIS (MD-015), 977 Irene Ave., Largo, FL 33541. (11-1-82)

FOR SALE: Kantronics Mini-Reader. 2 months old; hardly used. All accesories & book of world press service frequencies. Covers RTTY, CW, ASCII. $ 225.00. Contact: JOE BURNS (PA-139), 2040 Faunce St., Philadelphia, PA 19152 or phone 215-745-3698 or 215-745-2136. (11-21-82)

FOR TRADE: Realistic DX-302 Communications Receiver. Will trade for JIL SX-200 or $ 275.00. Cost $ 399.95 new. Includes owner's manual, telescopic antenna & DC ground. Contact: BILL MULHALL (NJ-034), 921 McGillvray Pl., Linden, NJ 07036 or phone 201-925-0089; no collect calls. (11-12-82)

FOR SALE: Centurion BP-0004 rechargeable battery. New; replaces Wilson BP-4. Battery has 12 month warranty. Contact: GERRY KERNS (CA-OR-193), 1250 South Sycamore, Santa Ana, CA 92707-1293 or phone 714-834-1805 0800-2100 PST. (11-24-82)

FOR SALE: Greve Enterprises, Inc. VHF-UHF pre-amp. Used 3 months before going into the service. (EDITOR'S COMMENT: military service?). $ 50.00. Contact: JEFFERY C. HOOPER (GA-027), Pleasant Hill Rd., Blainsville, GA 30512 or phone 404-745-2504. (11-6-82)

FOR SALE: Motorola Pageboy. This unit is well used and it's a VHF model with 153.500 mhz crystal. Vibrasponders & crystal can be changed. Comes w/battery. Make offer. Contact: GERRY KERNS (CA-OR-193), 1250 South Sycamore, Santa Ana, CA 92707-1293 or phone 714-834-1805 0800-2100 PST. (12-6-82)

FOR SALE: Motorola R-1121/TRC-87. Serial # 104. See April 1982 Newsletter "Phote Department." Seems to work fine as far as I can tell. 225-400 mhz. $ 550.00. Contact: DANA V. ARCHER (CA-LA-485), 8532 Columbus Ave. #23, Sepulveda, CA 91343 or phone 213-893-3479. (11-23-82)

FOR SALE OR TRADE: Bearcat BC-150. Good condition. Provisions for external speaker. $ 150.00 or trade for M-100 or equivilent model. Contact: RICHARD AVERY (CA-LA-020), 350 South 400 West #3, Richfield, UT 84701 or phone 801-896-5573. (11-26-82)

WANTED: Information on availability of sub-carrier converter for use on radio frequencies. Contact: LISA MARTIN (CA-LA-465), P.O. Box 55194, Valencia, CA 91355-0194. (12-6-82)

MONITORING & THE LAW

Eric P. Gaskell, Editor

Send all articles, references, copies of monitoring laws and questions pertaining to the legal aspects of monitor radio listening to:
Eric P. Gaskell, 1925 16th Ave., Apt. 210, Vero Beach, FL 32960.

Welcome once again to Monitoring and the Law for February 1983. I would like to wish each and everyone of you and your families a very Merry Christmas and a Happy New Year.

For this months issue of the newsletter I would like to dwell on the scanner laws for the State Of New York.

State Of New York Statute 397 - Equipping a Motor Vehicle with a Scanner or Receiving Set.

A person who is not a law enforcement officer who equips a motor vehicle with a radio that is capable of receiving radio signals on frequencies allocated for police use, or knowingly uses a motor vehicle so equiped or who in any way knowingly interfers with the transmission of messages by police without first having secured a permit to do so from either the City or County or State Law Enforcement Offical (Police Chief, Sheriff or State Police Commander) is guilty of a misdemeanor punishable by a fine to not to exceed one thousand dollars, or imprisoment not exceeding six months in jail, or both.

Nothing in this section contained shall be construed to apply to any person who holds a vaild amateru radio operators license issued by the Federal Communications Commissionand who operates a duly licensed portable mobile transmitter and in connection therewith a receiver or receiving set on frequencies exclusively allocated by the Federal Communications Commission to duly licensed radio amaterus.

The exception may be applicable to newspapers or to stations licensed with two way radio licenses.

Well that's all for this month. Please keep on sending in scanner laws form your state. I do not want to receive newspapers articles on arrests etc regarding scanner law violations. This column is for the laws pertaining to scanners in the state or local city or county.

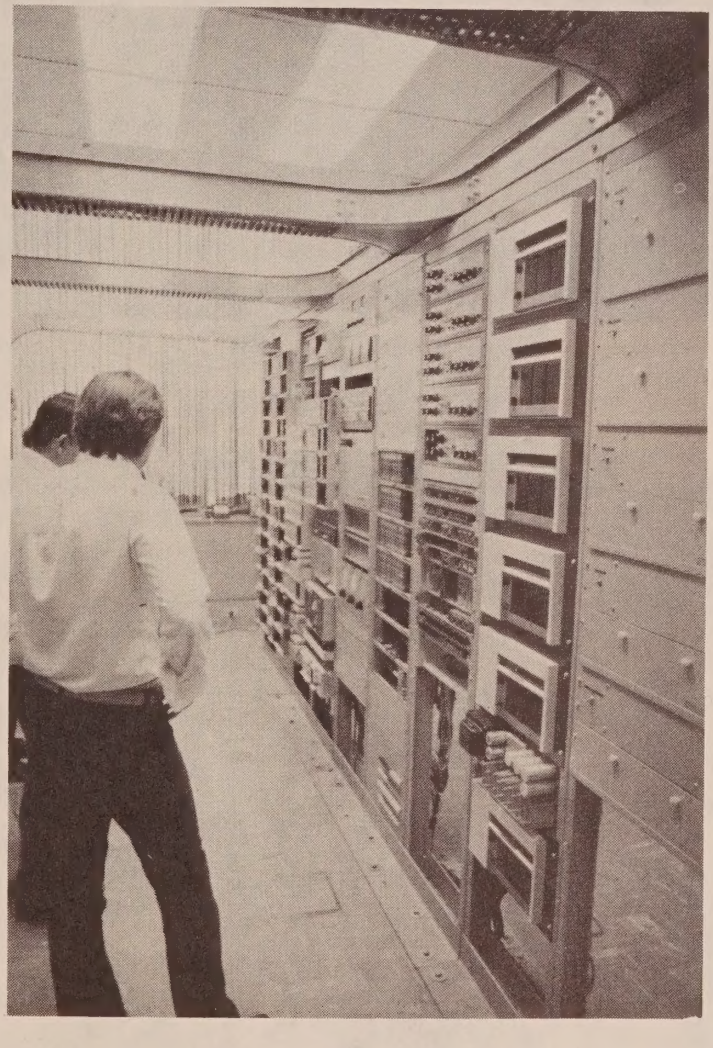
photo department

Send photographs of custom monitor listening posts, unusual or extensive monitor or two-way antenna systems, user station consoles (PD, Fire, Paramedics, etc.) or other monitor/two-way related equipment of interest. Photographs must be 3 x 5 inches or larger, black-and-white with good contrast, sharply focused and attractively composed. Each photo must be accompanied by details and explanations of equipment. Photos will not be returned. If you have questions, write first and please include an SASE. Send photos or write to:

Hugh Stegman, 11622 Exposition Blvd., #2, Los Angeles, CA 90064

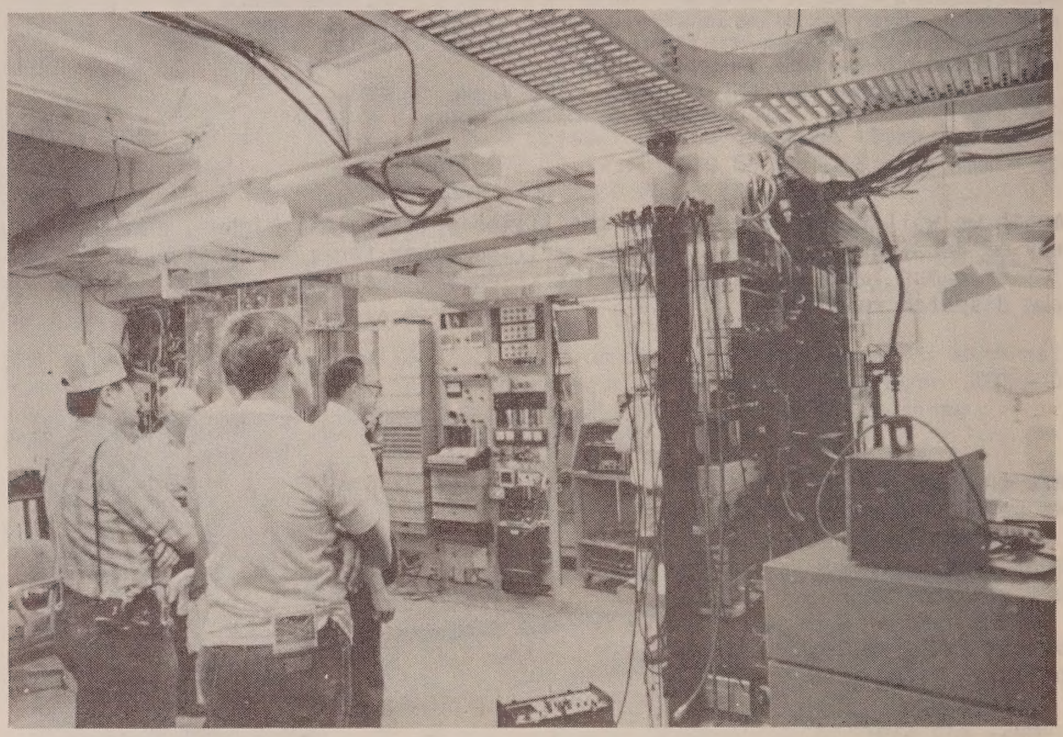
This month we will finish our look at the Illinois State Toll Highway comm center, courtesy of Ed Sirovy (IL-004). Readers will remember their impressive Centracom consoles from our last column. So now let's see all the other equipment needed to make the dispatch room tick.

Here are the Chicago chapter members examining the dispatch equipment room. On the left are the receive voters. Moving to the right, we see monitors, line amps, house audio power amps, and digital interface units. Design setup was by the toll road staff, and they have used a lot of non-Motorola equipment.



The second photo shows the members in the microwave and multiplex group/subgroup room. Remotes are tested from here, and a mobile radio on an AC supply is provided for communication with a repair unit in the field. Not shown are some additional high/low band base stations. Some U.S. government agencies also use Toll Road sites.

The last photo shows the dual DEC PDP-11/44 computers. These are, unfortunately, obsolescent, and DEC may drop support of PDP-11 software in favor of their new VAX-11 series.



Again, tnx to Ed for all these fine photos. Dah-dah-dit-dit-dit, dit-dit-dit-dah-dah (73 in morse, not a new punk tune) till next month.

MAGNETIC MOUNT MOBILE SCANNER ANTENNA

40" Triband

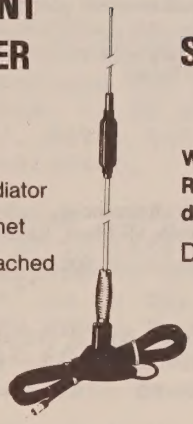
17-7ph Stainless Steel Radiator

8 oz. 8 Pole Ceramic Magnet

17' RG 58 U Coax With Attached Motorola Plug

Frequency Range

30MHZ — 50MHZ
140MHZ — 174MHZ
450MHZ — 525MHZ



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Public Safety

This column is for reporting Public Safety and Special Emergency frequency information, radio system details, radio codes, dispatch areas, unit numbering systems, etc. for police, sheriff, fire, forestry (except USFS), fish and game, highway patrol, state police, prisons, prisoner work camps, local government, highway & street maintenance, port authority/bridge maintenance, animal control, ambulances, paramedics, hospitals, life guards, ski patrol, search & rescue, flood control, civil defense and disaster organizations. Input and questions for this column must be sent to the proper regional Public Safety editor listed below.

PUBLIC SAFETY — GREAT LAKES:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows – Illinois, Indiana, Wisconsin, Michigan, Kentucky, and Ohio:

Brandt Niemuth, P.O. Box 541, Rosemont, IL 60018

Welcome to the Feburary column as I trust that the highway Maintenance freqs should quite active by now. From Tom Orlicki (MI-091) comes some changes on the Detroit FD Radio System:

F1 154.310Base 153.950Mobile
F2 154.310Simplex
F3 154.400 Base 153.830 Mobile
F4 154.400 Simplex

F1 is the regular working channel and using a rptr during special occasions or major emergencies (multiple alarm fires, etc).

F2 and F3 are not in use at this time since all apparatus has yet to be equipped with 4 channel radios. As equipment is replaced, so are the radios. Most officers and chiefs have issued Motorola MX 330 4 channel portables.

In all engine houses are Monitor radios which can be set to be activated by an "all call" paging tone broadcast by the Central Office using a tone sequence. This system also serves as a backup system in case of failure of the Department's in-house telephone system.

F4 is used when point-to-point communications (at a large fire, for example) are needed. Some companies are still using the old "lunch box" portables for simplex operations - GE 2channel vintage.

Division numerical designations:

100 Commissioners
200 Firefighting Division Chiefs
300 Medical Division
400 Communications Division
500 Apparatus Division
600 Fire Prevention
700 Water Division
800 Arson Investigators
900 Training Division (Acad)
1000 Not Used
1100 EMS Division
1200 Chaplin Corps

Arson Investigators' cars are equipped with Detroit Police Dept 12 channel radios. Arson squad assignments are made via Department Phone or on F1. Occasionally, an Arson Investigator is told by Central to "monitor channel 8" (DPD channel 8 is 453.375).

EMS Division operations are on 155.16 simplex and hospital contact is made on 155.34 HEAR. 2 paramedicsunits can also utilize the Med-Com channels on a seperate radio.

Additional Detroit MI Area Fire Freqs from Tom (MI-091):

Groose Point Fire Net 154.445 simplex (KDF 974)
Southfield FD - 460.600 (R) primary operations
154.430 Mutual Aid Net (Oakland County Net)
154.340 Mutual Aid Net (Oakway Net ch 6)
Sterling Heights FD 460.625 (MR)

Thanks Tom for a good contribution and I hope for more info as it comes in.

A Michigan member who prefers to remain anonymous has pased this contribution on thru Larry (MI-001) and John (IL-012). It's a detailed map of New Dispatch Freqs that will be employed by the Michigan State Police. Exact timing on "post" cutover is not known at this time, or is the continued use of the previous MSP freqs (42.48 base & mobiles, 42.68 base & mobiles, 42.58 base & mobiles and 42.58 base - 42.74 mobiles). Note: this map has been "condensed" for the RCMA Newsletter.

The previous editor - John (IL-012) - notes that the rptr setups (reported earlier in this column) for Posts 11, 12, 21, 23, 27 and 29 correspond to the new dispatch freq map. Maybe this is a "limit" as to the future direction that MSP radio will take. He knows from experience that the old "statewide freq pair (42.58/42.74)" tends to be overlooked at times.

More on this drastic change will show in this column as it becomes available.

From Bruce (Can-019) by way of the Canadian Editor comes some additional MI info:

155.280 Michigan Hospital Assn
155.340 Chippewa Cty Memorial Hospital

155.415 KXX 374 Soo PD (Rptr)
451.100 WAX 487 Soo PD (Rptr)
154.415 Soo FD
45.52 LG Soo - Streets
45.64 LG Soo

Thanks Bruce for this contribution.

Last November I had a chance to meet with Bob (IL-047) and Woody (IL-076), which turned out to be very enjoyable for me. Thanks to Bob and Woody, I was given a guided tour of the Princeton Fire Dept by Mr Linden Butterfield, who was very helpful with the following info:

Equipment Roster:

76 Tanker
77 Lt Truck
78 Ambulance
79 Tanker
80 Ladder
81 Aerial Tower (Ladder)
82 Pumper ('55 Int'l)
83 Pumper ('66 Int'l)
84 Rescue Unit
85 Utility Van
86 Brush Truck

Ambulancez: 1 L 15 1 L 16 1 L 19

Manpower (radiowise that is):

C1 Chief

C2 Deputy Chief
C3 Assistant Chief

Lieutenants: 88, 89, 120, 121, 123 & 128

The Dept has full force of about 30 who carry pagers set on 46.06 which are activated by the console. Most manpower are volunteers with a response time to the fire house of about 90 seconds (the oldest is 60 who lives 2 blocks away and jogs into the fire house).

Ambulances I L 15,16 & 19 are E/W Motorola Systems 90 radios (4 channel type) with the following freqs:

F 1 155.340 Merci
F 2 155.460 ISF Dist 17 Hi-band
F 3 155.220 Dispatch
F 4 vacant

These radios are equipped with various access codes (PL) for the various Hospitals. They are also E/W their PL to mute out unwanted chatter on 155.340. There is also an "all call" if needed.

Ambulance 78 is strickly used as a back-up and has a Motorola portable 2 channel (155.220 & 155.340) which is placed into a Converta-Comm when this unit is used.

77 Lt Truck is the only piece of equipment that has a GE single channel radio. The rest are E/W 2 Channel radios,

F 1 46.06 Dispatch & Mutual Aid
F 2 46.36 Fireground

Outside agencies, when called in on mutual aid, are not equipped with 46.360.

Rescue Unit 84 has the most radio gear (except for the chief's car) in it and doubles as a command post if the chief's car is not available.

First radio: F1 46.060
F2 46.360
2nd radio: 39.500 (Bureau County PD)
39.660 (Bureau County PD)
3rd radio: 158.835 (weather watch)
4th radio: Regency 8 ch crystal scanner

The console in the station has the following freq breakdown:

46.060 KCJ 498
46.360 KCJ 498
155.820 KZZ 717 Citywide
45.400 KTU 293 Weather Watch
45.440 KTU 293 ESDA
158.835 KZZ 967 County ESDA
155.220 KLN 232 Ambulance Dispatch

In addition to the above, there is also a Bearcat crystal contolled scanner used to check wether the console is transmitting. There is also a BC-250 for receiving other area freqs not in the console.

This month's column comes to a close with:

Happy Monitoring???

RCMA

Radio Communications Monitoring Association

MARKETPLACE EDITOR / P.O. BOX 1329 / PALMDALE, CA 93550-1329 U.S.A.

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City/State/Province/Zip Code/Postal Code/Country: _____

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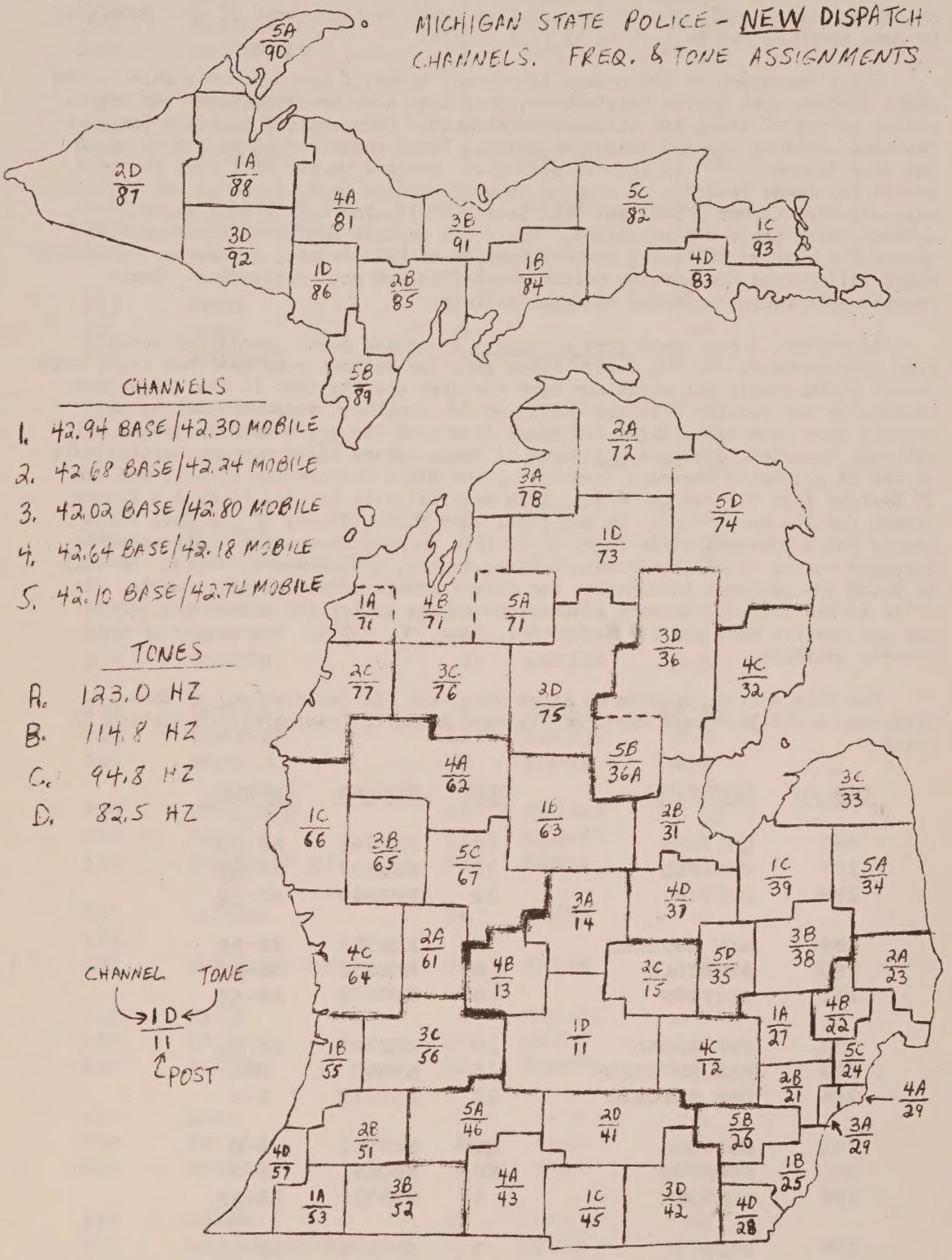
Date: _____ Signiture: _____

FIRST NATIONAL AND INTERNATIONAL ORGANIZATION
OF MONITOR RADIO LISTENERS


MICHIGAN STATE POLICE - NEW DISPATCH CHANNELS. FREQ. & TONE ASSIGNMENTS
CHANNELS
1. 42.94 BASE/42.30 MOBILE
2. 42.68 BASE/42.24 MOBILE
3. 42.02 BASE/42.80 MOBILE
4. 42.64 BASE/42.18 MOBILE
5. 42.10 BASE/42.74 MOBILE
TONES
A. 123.0 HZ
B. 114.8 HZ
C. 94.8 HZ
D. 82.5 HZ
CHANNEL TONE
1D
11
POST

PUBLIC SAFETY — SOUTH CENTRAL:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — Alabama, Arkansas, Louisiana, Mississippi, Tennessee, Oklahoma, and Texas:

Ken Pehl, 108 E. Centre St., Fredericksburg, Texas 78624.

Welcome to the February South Central Public-Safety column. Restrictions on column length still are in force but we shall make the best of it. Hopefully by next month we can be back up to full length.

Since the start of the column length cut backs, I have not been able to zip right through some of the lengthier reports that have been received. An appreciable amount of input has started stacking up. Once again I must ask for your patience until we are all caught up again. These reports will be coming up in the near future as soon as possible. Believe me, you will want to stick around for these reports. A special note of apology needs to go to two individuals--Al Christopher (MS-8) and Bill Leath (TN-3)--for such a long delay in acknowledging their contributions. Their two reports had been transferred all around the country following the resignation of Mike Redman, our former PS-Central chief editor, and the ensuing editor re-shuffle and mail forwarding. Their reports only recently landed up in my mailbox.

As editor, I have been very fortunate in having such wonderful support from area members. To you I say thank you, for without your generous input this column would simply not exist nor have the high quality that it has. Now just because we are running a little behind do not limit your input--keep on sending your material. Right now there is a need for any material--ideas, half-notions, theories, etc.--on any State of Texas agency radio system, particularly on the TX Alcoholic Beverage Commission, the State Comptroller Office, and the UT Systems (not the campus PD's). This material will be used to form a future report for the newsletter. In addition, Gary Fitts, TX-94, of the East Texas County Radio System article fame, would like to hear from anyone interested in swapping county rundown information (frequencies, unit numbers, etc.). He will be using any gathered information for future county radio systems reports. So write in everybody! The more you do send in, the better the column can become! You may contact Gary at: 104 W. 4th St., Rusk, TX 75785. Now onward to this month's articles.

For this month's openers we start with Part III (conclusion) of Dave Litsinger's (TX-32) State Dept. of Highways & Public Transportation station ID roster:

THD NO	LOCATION	DIST	FCC NO	CHANNEL
286	QUITMAN	10	KBY246	AB-AB
287	CROWELL	25	KBW837	AB-AB
288	AUSTIN	14	KBZ949	AB-AB
289	SAN ANTONIO	15	KQN923	AB-AB
290	AMARILLO	4	KCN230	AB-AB
291	CLIFTON	9	KCU278	AB-AB
292	TEXARKANA	19	KCX365	AB-AB
293	SAN ANTONIO	15	KEN82	M-L
294	SAN ANTONIO	15	KCT230	L-M
295	HOUSTON	HUP	KEY801	L-M
296	HOUSTON	HUP	KGQ69	M-L
297	LUBBOCK	5	KDD935	AB-AB
298	WACO	9	KDE246	AB-AB
299	TILDEN	15	KDG371	AB-AB
300	WACO	9	KDJ611	AB-AB
301	SAGINAW	2	KDJ619	AD-AD
302	PORT ARTHUR	20	KDK799	AC-AC
303	CORPUS CHRISTI	16	KDR355	AB-AB

THD NO	LOCATION	DIST	FCC NO	CHANNEL
304	WACO	9	KEP571	AB-AB
305	MIRANDO CITY	21	KEP563	AB-AB
306	BROWNWOOD	23	KEX305	AB-AB
307	BEAUMONT	20	KEX347	AC-AC
308	COLORADO CITY	8	KEY802	AB-AB
309	LUBBOCK	5	KEY901	AB-AB
310	MIRANDO CITY	21	KNT40	H-J
311	WHITESBORO	1	----	-A
312	WACO	9	KRX59	M-L
313	WACO	9	KRX60	M-L
314	ROBY	8	----	-A
315	ABILENE	8	KSP220	AB-AB
316	PEARSALL - RES	15	KTN271	AD-AD
317	DILLEY	15	KTZ203	AD-AD
318	LEWISVILLE	18	KTY947	AB-AB
319	LUBBOCK	5	KTU282	AB-AB
320	MORTON	5	KTU283	AB-AB
321	WICHITA FALLS	3	KGJ630	L-M
322	AUSTIN	MO	KGK655	AB-AB
323	AUSTIN	MO	KGK656	V-V
324	GORDON	2	KGV230	AD-AD
325	ODESSA	6	KGT536	AB-AB
326	BLEWETT	22	KGV301	K-K
327	WACO	9	KOO44	M-L
328	PRESIDIO	24	KRS313	AB-AB
329	SEGUIN	15	KIZ647	L-M
330	ELEPHANT MT.	24	KEN89	G-I
331	ALPINE	24	KEN88	I-G
332				
333	HEBBRONVILLE	21	KNT38	J-H
334	WACO	9	KFK681	L-M
335	LAREDO	21	KNT39	J-H
336	DEVINE	15	KJN870	AB-AB
337	GAIL	8	----	-A
338	JAYTON	8	----	-A
339	BAIRD	8	----	-A
340	ANSON	8	----	-A
341	NEW BRAUNFELS	15	KYT35	M-L
342	PORT ARANSAS	16	KBV965	AB-AB
343	GUTHRIE	25	KJS718	AB-AB
344	PORT ISABEL	21	KLI277	AB-AB
345	FORT WORTH	2	KLK704	AD-AD
346	BOWIE	3	KLP916	L-M
347	AMARILLO	4	KLR508	L-M
348				

THD NO	LOCATION	DIST	FCC NO	CHANNEL
349	FRANKLIN MT.	24	KLV910	L-M
350	EL PASO	24	KZF79	X-W
351	FRANKLIN MT.	24	KZF80	W-X
352	TERLINGUA	24	KRS314	AB-AB
353	DELL CITY	24	KLY998	AB-AB
354	LUBBOCK	5	KTT866	AB-AB
355	KOUNTZE	20	KRC844	AC-AC
356	HUTCHINS	18	KRI589	AB-AB
357	WICHITA FALLS	3	WLS54	M-L
358	WICHITA FALLS	3	KRJ779	AB-AB
359	MISSION	21	KRJ919	AB-AB
360				
361	LUBBOCK	5	KSZ249	AB-AB
362				
363	WICHITA FALLS	3	WLS55	M-L
364	CORRIGAN	11	KUQ531	AB-AB
365	MATAGORDA	12	KBU	YZ-YZ
366	HIGH ISLAND	12	KBV	YZ-YZ
367	SARGENT	12	KBW	YZ-YZ
368	FREEPORT	12	KBX	YZ-YZ
369	PORT ISABEL	21	KSB	YZ-YZ
370	CORPUS CHRISTI	16	KXB	YZ-YZ
371	MATAGORDA	12	KQU645	RS-RS
372	HIGH ISLAND	12	KQU646	RS-RS
373	SARGENT	12	KQU644	RS-RS
374	FREEPORT	12	KQU648	RS-RS
375	PORT ISABEL	21	KQU647	RS-RS
376	CORPUS CHRISTI	16	KQU649	RS-RS
377	GRAY CO.FIELD OFF.	4	KUV639	AB-AB
378	CHILDRESS	25	----	-A
379	MUNDAY	25	----	-A
380	TURKEY	25	----	-A
381	WELLINGTON	25	----	-A
382	WHEELER	25	----	-A
383	ALPINE	24	WPZ45	X-W
384	ELEPHANT MT.	24	WPZ46	W-X
385	MARFA	24	WPZ47	X-W
386	ALPINE (LOCAL)	24	KUV691	AB-AB
387	EL PASO (AUX BASE)	24	KUV692	AB-AB

As stated before, Dave, this is very much appreciated. Thanks for your fine work. Moving right along to a number of short reports...

From a contributor wishing to remain anonymous: The Texas Dept of Highways & Public Transportation District 5 Headquarter's office in Lubbock has installed UHF control link radios to remotely operate their low band transmitters in Brownfield and Littlefield. The UHF frequencies have not yet been determined.

From Charles Storm, TX-25: Charles lives in San Antonio and wrote some time ago informing us that he had heard the military MAST helicopters test operating on the Texas Inter-city ch--154.950. He also advises that he has heard the San Antonio DPS office refer to a ch 8 for DPS traffic division units and as yet has not been able to determine the frequency.

Thank you, Charles, for that report. I'm sorry to have taken so long in getting this into the column. If anyone can help Charles out on the San Antonio area ch 8 DPS ch. frequency or if you would like to exchange notes on San Antonio area frequencies, you can contact Charles at: 215 Ave Maria, San Antonio, TX 78216. By the way, this editor also heard MAST helos active on 155.340--state medical net and on Inter-city ch--155.370--direct, attempting to contact a base station. MAST choppers may possibly be equipped with synthesized radios rather than crystal controlled type radios.

From Robert Barker, TX-76: Bob writes in to inform us about some changes & updates to the Nov 82 column on Harris County radio systems...

1) It is rumored the Harris Co. SO will add a third dispatch channel to their system. At the present time it is uncertain how this will be accomplished-whether it will be a simple additional frequency(ies) or involve a re-shuffle of their present channels.

2) The HCSO detectives are no longer being dispatched on HCSO ch 5 but instead are now being dispatched out from the SO substations on the regular primary dispatch channels (ch 1 & 2). This still leaves the ch for the H.C. Medical Examiners Office. The detectives still use ch 5 for a car-to-car channel.

3) H.C. Constable Pct. 4 channels (37.06 & 37.10) use the callsign KDG 392.

4) The input frequency to the HCSO repeaters are as follows: ch 1 input frequency is 155.910. Ch 2= 155.850. Ch 5= 154.725. (ed. note: A reminder--these are the input to the repeater frequencies. These are not the output frequencies. For future reference, pencil into your Nov 82 issue this data to complete that report.)

5) The Klein VFD (North Harris Co.) will be installing a low band repeater for their operations channel. The frequency will still be 33.84 repeater output. 33.44 will be the input frequency. Unit numbers will be in the 3800's series.

Bob also reports the Texas Renaissance Festival used the frequencies: 154.950--Security (mostly hand helds); 157.650--Parking (normally used by the Magnolia School District buses); 155.295--Maintenance/Delivery.

Thank you, Bob, for that wonderful update and report. It certainly helped out. Let's continue to hear from you.

From Phil Porter, TX-97: Phil advises that construction is now complete on the Texas Dept. of Correction's facilities "Pack I & II" in Grimes County, TX. Pack I & II are now active on 153.785 (input frequency is not known at present thus making it possible to be either TDC ch 6 or 9). Like at all TDC facilities TDC ch 5 is also used. See Oct 82 newsletter for more TDC details. Please pencil in these changes to keep the report current.

Thank you, Phil. It is always good to hear from you. Updates like this are what the newsletter is always about--keeping the members informed of changes.

From Mike Schroeder, AR-13: Mike checks in with us to quickly update that the Arkansas State Game & Fish Commission (game wardens) have initiated a frequency change in the Northwest Arkansas area. The Huntsville and Beaver repeaters are now operating with a repeater output frequency of 151.385 (159.420 input). Prior to this change the frequency had been 151.175 out (159.330 input). Mobiles can work the dispatch center either through the Huntsville or Beaver repeaters or direct by duplex operation (that is, mobiles=159.420, base=151.385--no repeater keyed). It is believed mobile units can work simplex on 159.420 but this is not yet confirmed. Mike requests that anyone knowing more or anyone who can confirm this theory, should please contact him at his address: 904 S.E. H, Apt.C Bentonville, AR 72712.

Thank you very much, Mike. It is very important to be kept informed on frequency changes like this one. And be sure to keep us posted on any further results from your inquiry.

From Reed Darsey, AL-22: Reed lives in Moss Point, Miss. and wrote in to inform us about some frequencies that are used by the Pascagoula, MS Police Dept. that are not currently listed in the 1982 POLICE CALL. In fact the Police Call

lists some entirely different frequencies for Pascagoula than actually used. Reed states Pascagoula recently made some channel changes and they are currently:

155.700 R (156.030 in) callsign u/k --Pascagoula PD-primary dispatch
154.725 B/M simplex--callsign u/k--PD secondary channel
155.475 ---probably future NLEEC use

Also Reed notes that the city of Moss Point, MS uses 154.980 for its FD channel. The 1982 Police Call does not list this frequency either.

Thank you, Reed. This is precisely why the newsletter exists, to inform its readers of current changes in frequencies and useage of those frequencies. Let's continue to hear more from you in the future.

And with that we will say so long until next month. Stay tuned when we shall bring you more super reports.

PUBLIC SAFETY — NORTH CENTRAL:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows – Iowa, Kansas, Missouri, Nebraska, N. Dakota, S. Dakota, and Minnesota:

Michael W. Scheel, RR #1, P.O. Box 221, Walcott, IA 52773

Welcome to another edition of Public Safety-North Central. We have nice full column of information. We are only missing the states of Minnesota , North and South Dakota. About writting a letter today? Just today I received a letter from Randy Grimes (MO-077) who sent 6 pages of information. I'll start using it next month. This will be in the first newsletter you'll receive in 1983. Why don't we all make a new year pledge to send in our local information. You might see someone from the same area that can help you or you,him/her.

SOUTH WEST MISSOURI

From Mike Schroeder(AR-013) we have some Springfield Mo. area information.

155.370	area point to point (communications between county,city,and Missouri Highway Patrol)
155.475	Mutual Aid(All police agenices)
155.730	McDonald County Sheriff Primary (and Secondary for other Counties)(also tone page for McDonald CO. Ambulance)
155.790	McDonald County Sheriff Channel 2
155.310	Barry County Sheriff
155.700	Newton County Sheriff
42.38	MHP Troop to Troop
42.06	Springfield State Police Troop D
42.12	Carthage State Police Troop D substation
151.160	State Environmental Repeater(does anyone know how the system
151.415	" " " is set up?)

Thank you Mike..There has been very noticable lack of information from southern Missouri and I think this is the first from the area.

KANSAS

From Tim Tonge (MO-070) we have information about AMCOMM a Topeka area Ham radio emergency communications Truck.

"...a truck known on air and off as AmComm 1. It is a 1966 Chevy Step Van with a 3KW generator,a 40 foot antenna tower,and a portable 146.94/.34 repeater. The rig is used anywhere in Shawnee County if an emergency exists,and is authorized to operate in two adjacent counties as needed. The Following freqs are in the van. Ham HF radio Transceiver,Telephone Hookup,Topeka Police 1/2/3/4/, Topeka/Shawnee CD,Shawnee County Sheriff 1/2/3/4, 4 rural fire depts, Topeka Fire Dept, and Shawnee Ambulance Dispatch. "

Iowa

Des Moines area information from John Kidman (IA-023)

154.310 is a central dispatch channel from Polk County Sheriff to Grimes,Johnson, Saylor Township,Northwood Fire Depts. They test the Dispatch paging tones every night at 8 PM.

Des Moines FD only simuclast only on two channels. The third channel is reserved for an emergency tone from each man's HT. So that the computer can read it.

Cedar Rapids and Iowa City area information from John Bryant (IA-032)

Cedar Rapids					
Police	1	460.175 R		155.370 B	point to point
	2	460.250 R		155.685 R	LEA control
	3	460.300 R		155.475 B	Mutual Aid
	4	460.400 R			
Iowa City					
Police	1	460.050 R	Dispatch	155.370 B	point to point
	2	460.050 S		155.685 R	LEA control
	3	460.100 R	Info & Secondary		
	4	460.100 S		155.475 B	Mutual Aid
Sheriff	1	154.725 BM	Operations	155.370 B	point to point
	2	155.250 B	Information	158.820 B	paging
		155.910 M		159.105 R	Roads Dept.
	3	155.685 R	LEA		
	4	155.475 BM	Mutual Aid		
All Fire depts in Johnson County have					
	1	154.340 BM			
	2	154.280 BM	State Fire		
Johnson County C-MED					
	1	155.340 BM	statewide		
	2	155.205 BM			
City Public Works					
		155.055 BM			

Clinton area information from Margaret Kaack (IA-018)

460.200	Clinton Law Center (Police)
154.430	Clinton Fire Department
154.965	Clinton County Sheriff - Law Center
155.520	Clinton County Sheriff - Base to Mobile
155.910	Clinton County Sheriff - Mobile to Base
155.340	Clinton Hospitals to Ambulances
162.000	Clinton Marine Telephone - Channel 28
161.900	Davenport Marine Telephone - Channel 26
152.120	Clinton Answer Iowa - Mobile Phone
454.475	Clinton Answer Iowa - Paging
454.500	Clinton Answer Iowa - Paging
460.125	Davenport Police Department
460.150	Davenport Police Department
460.375	Davenport Police Department
154.860	Dubuque County Sheriff
155.370	Iowa-Illinois Intercity - Point to Point
154.745	Whiteside County, Illinois
163.415	Corp. of Engineers - Rock Island, Illinois
162.550	Weather Station - Moline, Illinois

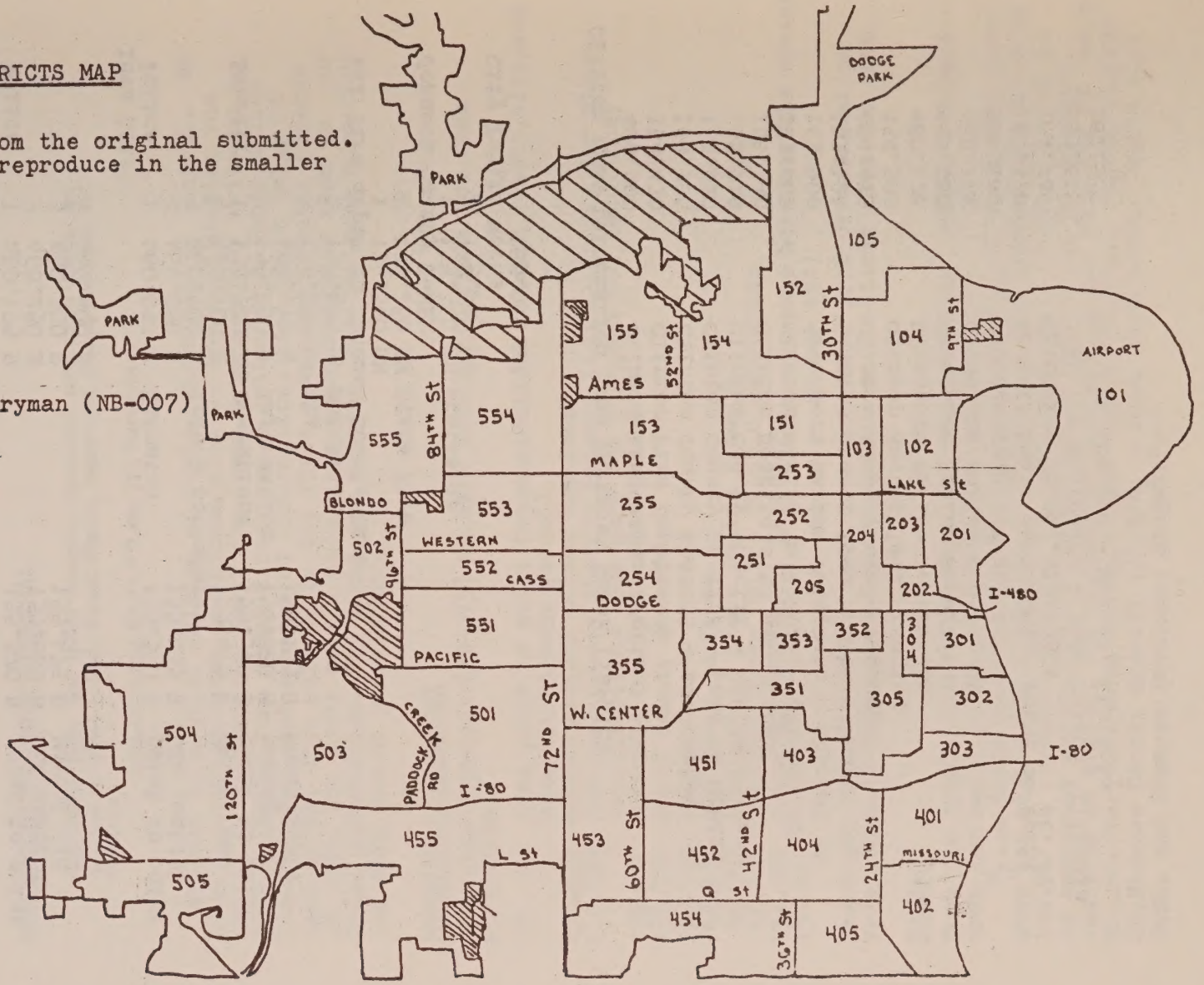
OMAHA POLICE DEPARTMENT DISTRICTS MAP

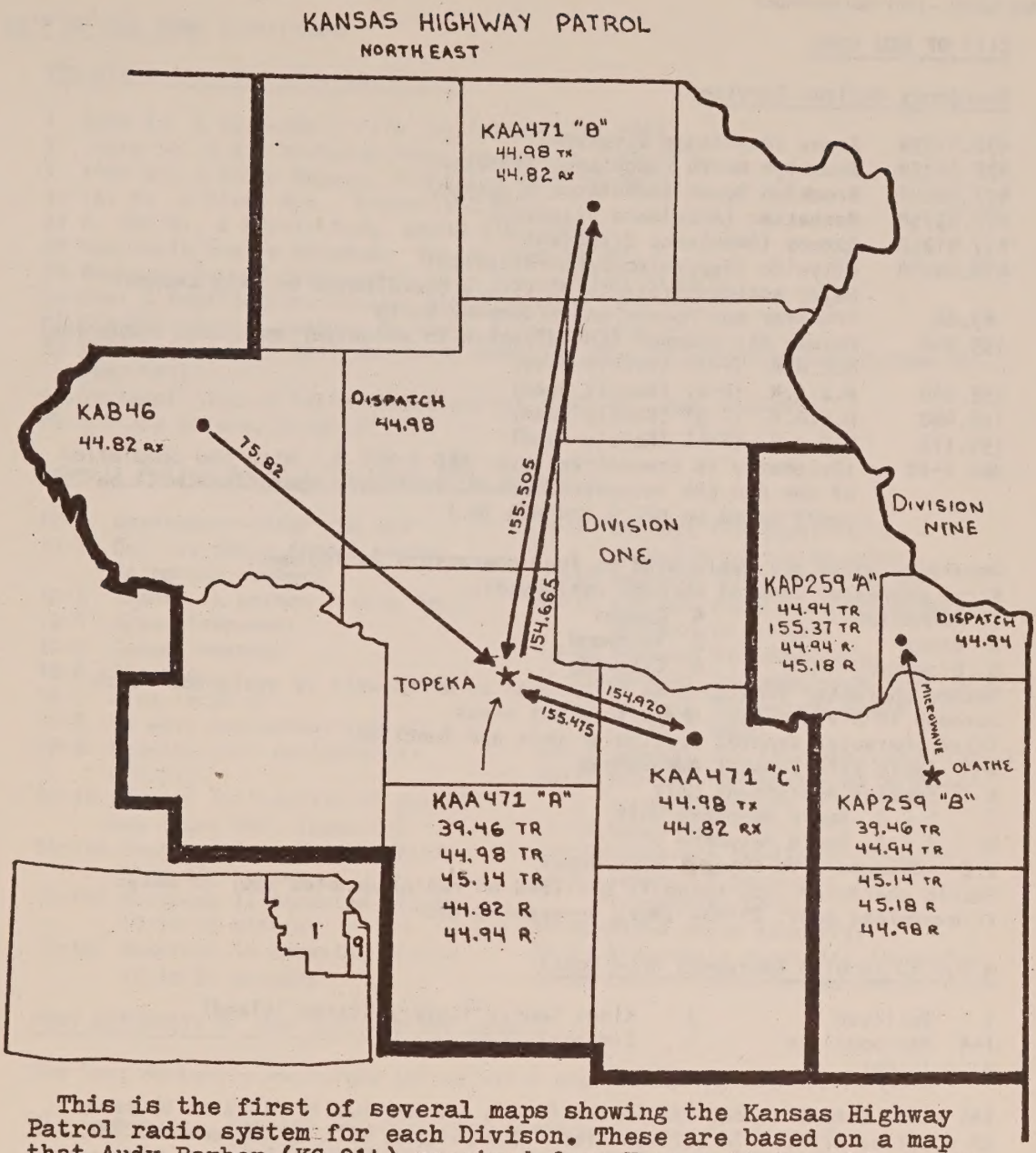
from Amy Polivka (NB-009)

This map was redrawn from the original submitted. Because of the it would not reproduce in the smaller newsletter format well.

1 460.100 Traffic
2 460.150 North
3 460.225 South
460.275 Informarion
460.375 Command
460.425 Detectives
460.500 Emergency

frequencies from E.J. Berryman (NB-007)





This is the first of several maps showing the Kansas Highway Patrol radio system for each Divison. These are based on a map that Audy Barber (KS-014) received from Kansas State. This month it shows Division One-(Topeka) and Division Nine (Olathe).

Well that's it for this month. Could use more. 73

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PUBLIC SAFETY — NORTH EAST:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — New England states, New York, Pennsylvania, New Jersey, Maryland, Delaware and District of Columbia:

Richard Barnett, P.O. Box 428, Newton Highlands, MA 02161.

Good day from the Northeast! This month we've cleared way to print a few copyrighted pages from the soon to be released New York Metropolitan scanner guidebook. We haven't talked about much information from the region of late so itturns out to be a good time to show some of this new 160 page manual anyway Rick Prelinger edited this fine work and for ordering you may write me at the address above.

CITY OF NEW YORK

Emergency Medical Service

478.2125R	Bronx (Ambulance Dispatch)
478.2625R	Brooklyn North (Ambulance Dispatch)
477.8625R	Brooklyn South (Ambulance Dispatch)
477.8375R	Manhattan (Ambulance Dispatch)
477.9125R	Queens (Ambulance Dispatch)
478.0125R	Citywide (Supervisors/Coordination) Major accidents/alerts/disasters coordinated on this channel
47.66	Transfer and Morgue Units/Command Units
155.340	Mutual Aid Channel (EMS dispatch to volunteer ambulance companies) H.E.A.R. (F-1) (Rarely used)
155.280	H.E.A.R. (F-2) (Rarely used)
155.400	H.E.A.R. (F-3) (Rarely used)
155.175	H.E.A.R. (F-4) (Rarely used)
MED 1-10	(Telemetry is transmitted over MED 1-MED 8. With the completion of the new EMS telemetry system, telemetry operations will be coordinated on MED 9 and MED 10.)

Ambulance units are designated by four characters as follows:
First character denotes borough assignment.

1 Manhattan	4 Queens
2 Bronx	5 Richmond
3 Brooklyn	6 Citywide

Second character denotes area of borough to which unit is assigned. Each borough is divided into three to eight areas.
Third character denotes particular unit and function:

A-R	Basic Life Support Ambulances
S	Special Assignment Unit
T	B.L.S. Rapid Response Unit
U	A.L.S. Rapid Response Unit
V-Z	Advanced Life Support Ambulances

Fourth character (not normally utilized on radio) denotes tour of duty:
1--overnight tour; 2--day tour; 3--evening tour.

M.E.R.V. (Mobile Emergency Room Vans)

1	Bellevue	3	Kings County (covers Staten Island)
1-A	Metropolitan	4	Elmhurst
2	Jacobi		

EMS plans a move to 800 mHz in the future and eventually dispatch by means of a CRT or printer in all vehicles. The program will be implemented for testing purposes in Richmond, and will expand to Brooklyn South and Queens in the future. The initial frequencies assigned include:

854.9625	855.2125	855.4625	856.9875	858.9875	860.9875
854.9875	855.2375	855.4875	857.9875	859.9875	(KNBX912-918)

See following page for EMS 10-Codes.

New York City Transit Authority

160.695	Transit Police (Surface Operations/Detectives)
160.305	Transit Police (Portables/Underground Operations)

NYC Transit Police Numbering System

411-419 RMP's (Dist. 1--Manhattan)
431-439 RMP's (Dist. 3--Manhattan)
441-449 RMP's (Dist. 4--Manhattan)
111-119 RMP's (Dist. 11--Bronx)
121-129 RMP's (Dist. 12--Bronx)
201-209 RMP's (Dist. 20--Queens)
231-239 RMP's (Dist. 23--Queens)
301-303 RMP's (Dist. 30--Brooklyn)
321-329 RMP's (Dist. 32--Brooklyn)
331-339 RMP's (Dist. 33--Brooklyn)
341-349 RMP's (Dist. 34--Brooklyn)

350-399 Citywide Patrol RMP's (distinct from District RMP's)
600-699 Unmarked cars and vans (Detective/Canine, etc.) (This numerical series rarely heard on air)
Rescue Units 1, 2, 3

CITY OF NEW YORK (continued)

Transit Police District Locations

1 59th St. & Columbus Circle, Manhattan (IND "A")
3 145th St. & St. Nicholas Ave., Manhattan (IND "A")
4 14th St. & Union Square, Manhattan (BMT "N-RR")
11 161 St. & River Ave., Bronx (IND "D")
12 E. 180 St. & Morris Park, Bronx (IRT "2-5"
20 Roosevelt Ave. & Broadway, Queens (IND "E-F")
23 Rockaway Park & Beach 116th St., Queens (IND "A-GG")
30 Hoyt & Schermerhorn Street, Brooklyn (IND "A")
32 Franklin Ave. & Eastern Parkway, Brooklyn (IRT "2")
33 2493 Fulton St., East New York, Brooklyn./Van Sindern-Broadway-Fulton St. (IND "A")
34 Stillwell Ave. & Surf Ave., Brooklyn (IND "F", BMT "N-B-D")
HQ 370 Jay Street, Brooklyn

Transit Police Radio & Incident Code Signals

10-1 Emergency--clear the air
10-2 Call by phone (state where, telephone number)
10-3 Report in person (state loc.)
10-4 Acknowledgement
10-5 Repeat message
10-6 Stand by
10-7 Give location
10-8 On post assignment--on air
10-9 Leaving post assignment--off air
10-10 Request for additional patrolmen (Post RMP) (specify)
10-10A Response is expected within 5 to 10 minutes
10-10B Response is expected within 10 to 15 minutes
10-10C Response is expected within 15 to 20 minutes
10-11 Request for supervision (specify police or other)
10-12 Request for N.Y.C.P.D. RMP
10-13 Request for assist patrolmen--officer in danger
10-14 Request for ambulance
10-15 Request for ambulance (2nd call)
10-16 Request for patrol wagon (arrest made)
10-17 Request for fire apparatus (fire)
10-18 Request for emergency service squad (specify)
10-19 Cancelled
10-20 Dangerous condition (specify)
10-21 Suspected package (suspected bomb)
10-22 Aided cases (specify)
10-23 Disorderly person(s) (specify)
10-24 Escort--revenue (specify)

PORT AUTHORITY OF NEW YORK AND NEW JERSEY

The Port Authority exercises jurisdiction over the following facilities:

Air Terminals: Kennedy International Airport, La Guardia Airport, Newark International Airport, West 30th Street Heliport, Downtown Heliport (Pier 6, East River), and Teterboro Airport.

Tunnels, Bridges and Terminals: Bayonne Bridge, George Washington Bridge, Goethals Bridge, Holland Tunnel, Lincoln Tunnel, Outerbridge Crossing, George Washington Bridge Bus Station, New York Union Motor Truck Terminal, and the Port Authority Bus Terminal.

Marine Terminals: Brooklyn Marine Terminal, Columbia Street Marine Terminal, Elizabeth Marine Terminal, Erie Basin Terminal, Port Newark, Hoboken Marine Terminal, and New York City Passenger Ship Terminal.

Transit: Port Authority Trans-Hudson (PATH) Rail System.

Frequencies

453.400R Channel "A" (Systemwide Police) "Central Police Desk"
453.650R Channel "B" (Airports) Police and Operations
453.800R Channel "C" All tunnels and bridges except Lincoln Tunnel
150.995 Channel "D" Lincoln Tunnel (Maintenance and Police) Port Authority Bus Terminal (Maintenance and Police)
151.115 Channel "E" Port Authority Bus Terminal (Maint. and Police) All airports (Maintenance)
153.755M Channel "F" (Low-power) Used at Port Authority Bus Terminal and Lincoln Tunnel

453.375R Channel "W" Kennedy Airport Police (F-2)
World Trade Center (Maintenance)
470.5625R Channel "X" World Trade Center and Newark Airport (Maintenance)
470.5875R Channel "Y" World Trade Center (Maintenance)
470.6125R Channel "Z" World Trade Center and Newark Airport (Maintenance)

For complete presentations of air and ground frequencies for Kennedy, La Guardia and Newark airports, see maps and frequency lists following this section.

PATH Rail System

160.470 R-1 (Train Operations--Systemwide--Underground and Surface)
161.040 R-2 (PATH Police--Underground and Surface)
161.460 R-3 (Maintenance and Emergency Response--Underground/Open Area)
161.535 R-4 (Car Shop/Yard Maintenance at Henderson Car Shop/Yards)

NOTE: Frequencies R-1, R-2 and R-3 are systemwide frequencies.
452.875R Yard Train Movements in Storage Yards

State of New York--Waterfront Commission of New York Harbor

154.800 Police

NASSAU COUNTY

Countywide Systems

Police (KEB237)

39.40R F-1 (Countywide)
39.48R F-2 (Precincts 1 & 7)
39.56R F-3 (Precincts 2 & 8)
39.22R F-4 (Precincts 3 & 6)
39.38R F-5 (Precincts 4 & 5)
39.44R F-6 (Detectives)
39.52R F-7 (Highway Patrol)
153.740 Air and Marine Units (Countywide) (KLC950)

All lowband frequencies repeat mobile transmissions. Lowband frequencies are now in the process of being replaced by UHF. The changeover is expected to be complete by summer 1983. All units will move to UHF except for air and marine units, who will retain the present frequency.

Future UHF Frequencies:

477.2375R Precincts 1 and 7
477.3875R Precincts 2 and 8
478.9125R Precincts 3 and 6
477.2125R Precincts 4 and 5
477.2625R Highway Patrol
477.1875R Northside Administrative
477.2875R Southside Administrative
478.7125R Detective Units
478.7375R Tactical Units
478.9375R Special Details
155.370 Future intersystem frequency, to be implemented for all depts.

Patrol cars will automatically transmit digital status codes when microphone is keyed.

Precincts:

1 Baldwin
2 Woodbury
3 Williston Park
4 Hewlett
5 Elmont
6 Manhasset
7 Seaford
8 Levittown

Some municipalities have their own police departments as specified on the following pages. Others have dissolved their departments and set up "Code Enforcement" authorities, who enforce compliance with municipal codes.

Unit numbering system:

100-199 First Precinct sector cars, 200-299 Second Precinct sector cars, etc.
900-999 Crime Prevention Units
1000-1199 Special unmarked cars
1200-1299 Precinct unmarked cars
1300-1399 Unmarked cars (countywide)
2200-2299 Highway Patrol
2300-2399 Ambulances
2400-2499 Miscellaneous trucks
3100-3199 First Pct. 3-wheel scooters (3200-3299=Second Pct., etc.)

NEW JERSEY

MIDDLESEX COUNTY (continued)

City of New Brunswick

460.300R Police (F-1) Dispatch (KVN487) (Units numbered in 900s)
460.300M Police (F-2) Car-to-car
460.225R Police (F-3) Mutual Aid with North Brunswick

New Brunswick Police Radio Signals and Codes

Signals

1 Emergency Standby
2 Hold-up & Robbery
3 Murder
4 Aggravated assault & battery
5 B. E & L
6 Escape
7 Drunk & disorderly
8 Domestic dispute
9 Prowler/suspicious person
10 Burglar or bank alarm
11 MV accident, no injuries reported
12 MV accident, injuries or hit & run
13 Aid to motorist
14 Drunken driver
15 MV look-up
16 NCIC/SCIS check
17 Check suspicious vehicle
18 Stolen vehicle
19 Animal incident
20 Fire/fire alarm
21 Pick-up
22 Out of service
23 Back in service
24 Shooting
25 Larceny
26 Meet Patrol
27 Officer needs help
28 Location
29 Telephone call
30 Return to station
31 Emergency at station
32 Escort
33 Attempt to locate
34 Bomb threat
35 Vandalism
36 Shoplifter
37 Prisoner transport
38 Lunch
39 MV stop
40 Resume patrol
48 Message received

Response Codes

Code 1--Mandatory use of audible & visual warning devices (use only with signal 27)
Code 2--Handle emergency conditions
Code 3--Handle normal conditions
Code 4--No additional services req.

Disposition Codes

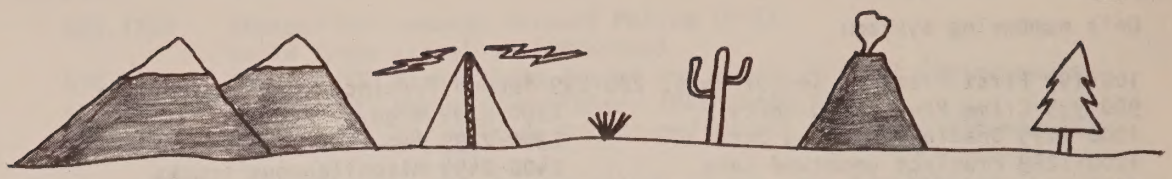
Code Alfa--Not bona fide incident/ unfounded
Code Bravo--Unable to locate
Code Charlie--Minor incident report made
Code Delta--Wanted person(s)/vehicle(s)
Code Echo--Removed to hospital
Code Foxtrot--Traffic violation or summons issues
Code Golf--Appropriate report made

City of New Brunswick (continued)

154.325 Fire (WZX210)
155.340 Middlesex General Hospital (KTD380)
155.340 St. Peter's Hospital (KQM747)
155.385 St. Peter's Hospital (WQP813)
158.745 Public Works

Township of North Brunswick

460.175R Police (F-1) Dispatch (KEE506)
460.175M Police (F-2) Car-to-car
460.225R Police (F-3) "Common" (Mutual aid with New Brunswick)



PUBLIC SAFETY WEST

PUBLIC SAFETY - WEST

Send Public Safety and Special Emergency frequencies, radio system details and questions for Alaska, Arizona, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming to:

George Hoggatt, 17473 E. 16th Drive, Aurora, CO 80011.

Welcome to all Idaho month. George sent along so much that it will continue next month. Have heart, spring will be along soon.
IDAHO George (ID-002) Complete guide to the "GEM" state.

Idaho State Police

The state police use two primary dispatch frequencies within the state.

F1-460.100 (465.100) Dispatch in Odd numbered districts
F2-460.200 (465.200) Dispatch in Even numbered districts.
F3-465.275 State wide Car to Car
F4-460.025 Statewide Mutual Aid Channel

The state police also use the county channels of some patrol districts besides their own. Here are the counties within Idaho.

ADA County	F1	460.025	Mutual Aid Channel
	F2	460.450	Dispatch
	F3	465.275	Car to Car (simplex)
	F4	460.225	Adminstrative Traffic
	F5	460.275	Car to Car (simplex)
Adams County	F1	460.150	Dispatch
	F2	460.200	Stae Police Channel
	F3	465.275	Car to Car
Bannock	F1	460.050	Dispatch
	F2	460.025	Mutual Aid Channel
	F3	460.100	State Police Channel
	F4	460.275	Car to Car
	F5	460.175	County-City Channel
Bear Lake	F1	460.475	Dispatch
	F2	460.025	Mutual Aid Channel
	F3	460.100	State Police Channel
	F4	465.275	Car to Car
Bennwah	F1	460.100	State Police Channel
	F2	460.250	Dispatch Channel
	F3	465.275	Car to Car
Blaine	F1	460.150	Dispatch
	F2	460.025	Mutual Aid Channel
	F3	460.200	State Police Channel
Boise County	F1	460.100	State Police Channel
	F2	460.025	Mutual Aid Channel
	F3	465.275	Car to Car
	F4	Ada County SO Dispatch Channel	

*special note, this county also uses the Boise Nat. Forest Network radio system in the remote areas.

Bonner	F1	460.100	State Police Channel
	F2	465.275	Car to Car

Bonneville	F1	460.450	Dispatch
	F2	460.025	Mutual Aid Channel
	F3	460.125	Adminstrative Channel
	F4	460.200	State Police Channel
	F5	465.275	Car to Car
	F6	460.475	Car to Car
Butte	F1	460.100	State Police Channel
	F2	460.200	State Police Channel
	F3	460.025	Mutual Aid Channel
	F4	465.275	Car to Car
Camas	F1	460.100	State Police Channel
	F2	460.200	State Police Channel
Canyon	F1	460.325	Dispatch
	F2	460.500	Adminstrative Traffic
	F3	460.025	Mutual Aid Channel
	F4	460.100	State Police Channel
Caribou	F1	460.100	State Police Channel
	F2	1541025	Disaptch
	F3	154.055	County-City
	F4	155.745	Car to Car
	F5	42.540	County Dispatch (remote areas)
Cassia	F1	460.326	Dispatch
	F2	460.025	Mutual Aid Channel
	F3	460.075	Car to Car
	F4	460.200	State Police Channel
	F5	465.275	Car to Car
Clark	F1	460.025	Mutual Aid Channel
	F2	460-500	Dispatch
	F3	465.275	Car to Car
Clearwater	F1	42.54	Dispatch
	F2	155.85	County City
	F3	460.200	State Police Channel
Custer	F1	155.430	Dispatch
	F2	460.100	State Police Channel
	F3	460.200	Stae Police Channel
Elmore	F1	460.475	Dispatch
	F2	460.025	Mutual Aid Channel
	F3	460.200	State Police Channel
	F4	465.275	Car to Car
Franklin	F1	460.025	Mutual Aid Channel
	F2	460.475	Dispatch
	F3	460.100	State Police Channel
Freemont	F1	460.025	Mutual Aid Channel
	F2	460.075	Dispatch
	F3	460.500	Adminstrative Traffic
	F4	460.200	State Police Channel
	F5	465.350	Car to Car
Gem	F1	460.375	Dispatch
	F2	460.025	Mutual Aid Channel
	F3	460.100	State Police Channel
	F4	460.150	Adminstrative Traffic
	F5	465.275	Car to Car
Gooding	F1	39.820	Dispatch
	F2	460.100	State Police Channel

Idaho	F1	42.540	Dispatch(remote areas)
	F2	460.425	Adminstrative Traffic
	F3	460.200	State Police Channel
	F4	460.100	State Police Channel
Jefferson	F1	460.025	Mutual Aid Channel
	F2	460.200	State Police Channel
	F3	460.125	Dispatch Channel
	F4	465.275	Car to Car
Jerome	F1	460.025	Mutual Aid Channel
	F2	468.050	Car to Car/ Adminstrative
	F3	460.125	Dispatch
	F4	465.275	Car to Car
	F5	460.200	State Police Channel
Kootenai	F1	460.100	State Police Channel
	F2	460.150	Dispatch
	F3	460.450	Adminstrative Traffic
	F4	465.275	Car to Car
Latah	F1	460.375	Dispatch Channel
	F2	460.025	Mutual Aid Channel
	F3	460.100	State Police Channel
	F4	465.275	Car to Car
Lemhi	F1	460.100	State Police Channel
	F2	460.200	State Police Channel
	F3	460.350	Dispatch
	F4	465.275	Car to Car
Lewis	F1	460.025	Mutual Aid Channel
	F2	460.075	Dispatch
	F3	460.225	Adminstrative
	F4	460.220	Car to Car
Lincoln	F1	460.025	Mutual Channel
	F2	460.450	Dispatch
	F3	460.200	State Police Channel
	F4	465.275	Car to Car
Madison	F1	460.025	Mutual Aid Channel
	F2	460.500	Dispatch
	F3	460.350	County-City Channel
	F4	460.200	State Police Channel
Minidoka	F1	460.075	Dispatch
	F2	460.450	Adminstrative Traffic
	F3	460.325	County-City Channel
	F4	460.100	State Police Channel
Nez Perce	F1	460.450	Dispatch
	F2	460.225	Adminstrative Traffic
	F3	460.200	State Police Channel
Oneida	F1	460.025	Mutual Aid Channel
	F2	460.100	State Police Channel
	F3	460.475	Dispatch
	F4	465.275	Car to Car
Owhyee	F1	460.025	Mutual Aid Channel
	F2	460.100	State Police Channel
	F3	460.475	Dispatch
	F4	460.500	Adminstrative Traffic
Payette	F1	460.150	Dispatch
	F2	460.025	Mutual Aid Channel
	F3	460.100	State Police Channel
	F4	465.275	Car to Car

Power	F1	460.375	Dispatch
	F2	460.100	State Police Channel
	F3	460.200	State Police Channel
	F4	465.275	Car to Car
Shoshone	F1	158.730	Dispatch
	F2	155.490	Adminstrative Traffic
	F3	155.010	Car to Car
Teton	F1	154.175	Dispatch
	F2	460.200	State Police Channel
Twin Falls	F1	460.025	Mutual Aid Channel
	F2	460.050	Dispatch
	F3	460.125	Information Traffic
	F4	460.200	State Police Channel
Valley	F1	460.150	Dispatch
	F2	460.025	Mutual Aid Channel
	F3	465.275	Car to Car
	F4	460.100	Saate Police Channel
	F5	460.200	State Police Channel
Washington	F1	453.400	Dispatch-City
	F2	453.750	Adminstrative Traffic
	F3	460.150	Dispatch-County
	F4	460.025	Mutual Aid Channel
	F5	465.275	Car to Car Channel

See ya next month. Guy

The Public Safety - West column concludes on p. 50 with an Idaho Dept. of Fish & Game map. Ed.

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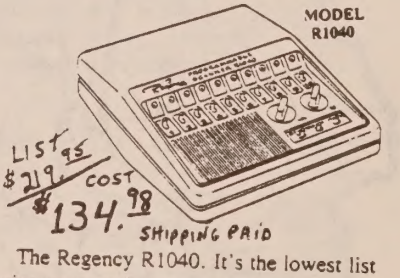

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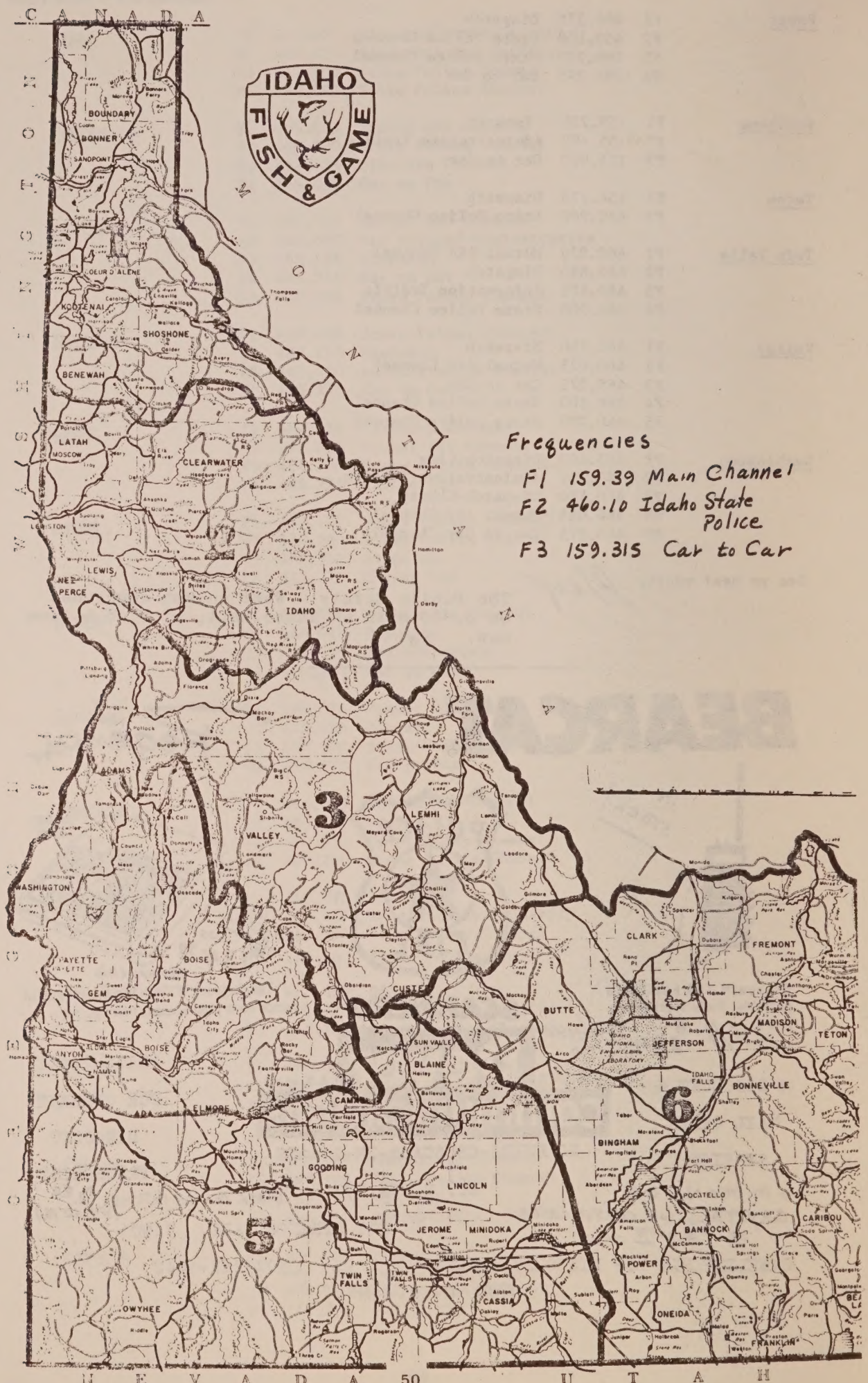
IDAHO
FISH & GAME
Frequencies
F1 159.39 Main Channel
F2 460.10 Idaho State Police
F3 159.315 Car to Car
CANADA
WASHINGTON
OREGON
NEVADA
UTAH
BOUNDARY
BONNER
SANDPOINT
KOOTENAI
COEUR D'ALENE
SHOSHONE
BENEWAH
LATAH
MOSCOW
CLEARWATER
LEWIS
NEZ PERCE
IDAHO
ADAMS
WASHINGTON
PAYETTE
BOISE
GEM
CANYON
ADA
ELMORE
VALLEY
LEMHI
CUSTER
BLAINE
CAMAS
GOODING
LINCOLN
JEROME
MINIDOKA
TWIN FALLS
CASSIA
OWYHEE
BUTTE
CLARK
FREMONT
MADISON
TETON
JEFFERSON
BONNEVILLE
IDAHO FALLS
BINGHAM
POCATELLO
BANNOCK
CARIBOU
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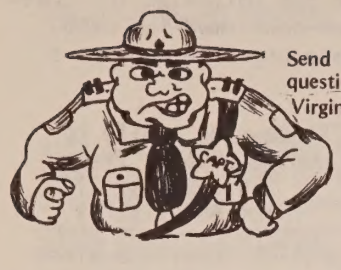


PUBLIC SAFETY — SOUTH EAST:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — Florida, Georgia, N. Carolina, S. Carolina, W. Virginia, and Virginia:

William Mauldin, 2268 N.W. 30th Rd., Boca Raton, FL 33431

PUBLIC SAFETY - SOUTHEAST

INTRODUCTION

Greetings! This probably doesn't come under the heading of PUBLIC SAFETY or under SOUTHEAST either, but I feel it is certainly worth mentioning to all of you. I do hope there are more members reading this section than just those who live in the SOUTHEAST.

The subject is the DAYTON HAMVENTION as it is called. This is the LARGEST radio show and communications flea market in the entire United States. The Dayton Hamvention will be held at the Dayton Area grounds on April 29, April 30 and May 1st this year. I know that I have mentioned to you in earlier columns that even though you are not a ham radio operator, you can attend these "hamfests" as they are called. Well, this is the biggest radio show of them all. Amateur radio operators talk about this one all year long. I went last year, and I can tell you first hand that it was well worth the drive from Florida to Ohio! No doubt about it.

You can find everything from amateur radio equipment to computers - everything from tv sets to shortwave radios - everything from homebrew antennas to the very latest from about 100 manufacturers. In another words, everything and anything that has to do with radio will be there! If you haven't ever been - GO! I can assure you that you will have a ball and probably spend a bunch too - if you have it!

There are thousands of "hamfests" held all over the country every year. YOU CAN GO and have a ball even if you are not a ham! The listings of hamfests are published in QST, 73, CQ-Amateur Radio, World Radio and so on. If you have friends who are hams, ask them to show you the listings and make it a point to go to some of them! You will never find better buys on scanners, monitors, mobile gear and so on!

As I write this, my first effort as editor of the Public Safety - Southeast has just been mailed out. There hasn't been time for response from you regarding my request for information, so the column for this month is again made up generally from my own notebook, with exceptions noted. I do hope that those of you out there who have any information in your own notebook have long since written me or you will as soon as you finish reading this issue! In order to make the column better, I am going to have to have materials from you guys in the field! Any and all notes, remarks, data and contributions will be appreciated by me and the other members reading this part!

Commonwealth of Virginia

As of this date, I have had no live contributions from those of you living in Virginia I would like to have anything and everything you have on state, county and local radio systems! I would like to do a complete article on the VSP! Somebody out there must have the system, districts and codes... This information is from my own notebook:

VIRGINIA STATE POLICE: The Virginia State Police, like many other departments, use to operate on the old 42 MHz state police band. A few years ago, with skip conditions at the worst, they moved to VHF. The base stations kept the low band transmitters to communicate station to station, although at the time, the VSP was using one of the best state-wide teletype systems in operation. The low band frequencies are noted:

Virginia Corrections Officers	39.120 MHz	State-wide with 43 base stations
Virginia Inter-system bases	39.500 MHz	Limited use
Virginia Corrections & Prisons	39.540 MHz	State-wide with 43 base stations

The Virginia State Police used to operate on the following frequencies and in my notebook these were the frequencies as used... They are still shown as being licensed on these 42 MHz channels, however, member comments on what is still being used would certainly be of help in updating the system in an upcoming article on the VSP.

VIRGINIA STATE POLICE: Old low band Frequencies

42.860 Base - 42.680 Mobile
42.880 - 42.700
42.920 - 42.920 Simplex

Several years ago, the VSP converted their dispatch system to the following VHF frequencies. It has been sometime since I listened to the VSP and confirmed the data, but here is what I have from my notebook. Virginia members are urged to drop me a note and confirm what I have here!

VIRGINIA STATE POLICE:	Base	Mobile	(State-wide mobile to mobile simplex freqs.
	158.985 MHz	154.905 MHz	154.665 (Tac 2)
	159.000	154.935	154.695 (Tac 1)
	159.135	155.445	
	159.165	155.460	

I am quite certain that some changes have been made in base station locations since my notes were updated, however, here is a listing of the base station dispatch cities as I have them. The VSP dispatchers operate in much the same way as other surrounding states. The base will ID with the name of the city when calling, and then they will "announce" their station clear by giving the station call letters at the end of the transmission. There are lots of remote transmitters and receivers used in the VSP system, however, these are not listed below --- just the dispatch centers. Here again, I would like update input from you Virginia members!

VIRGINIA STATE POLICE: **Dispatch Centers** (anyone know of any more?)
Richmond - Norfolk - Culpepper - Appromattox - Wytheville - Salem - Hampton - Emporia, Alexandria - Warsaw. The VSP is broken down into DISTRICTS not "Troops".

This series on the VIRGINIA STATE POLICE is just something to get us started. I am hoping that some of you out there can send me a complete frequency, station, code and transmitter breakdown so we can do another article on the VSP, something that would be useful and enjoyable as members travel thru the state. Also, information on other statewide agencies (Wildlife, DOT, Forest Service, ABC) would be helpful!

State of West Virginia

My personal notes on the State of West Virginia... rather limited to say the least. While I was living in Greensboro, North Carolina, I monitored the South Carolina Highway Patrol quite a bit (I had an 80 foot antenna tower!), and since West Virginia and South Carolina use the same basic frequency, I also was able to hear the Beckley, West Virginia State Police dispatch station on a regular basis. Here are my notes:

WEST VIRGINIA STATE POLICE: **Dispatch Base Stations for State Police**

Barboursville	Charleston	Logan	Caretta	Danville
Harrisville	Ivydale	Beckley	Lewisburg	Moorefield
Morgantown	Moundsville	Mtn View	Parkersburg	New Martinsville
Parkersburg	Princeton	Shinnston	Slaty Fork	Point Pleasant
Paden City	Wayne	Weirton	Elkins	Huttonsville

My notes have some updates on the basic frequency data, but it still shows the WVSP operating on low band state wide, except for the West Virginia Turnpike, which is on VHF. Any member comments, corrections, additions and so on will really be helpful and appreciated as I would like to do another complete update on the WVSP!

WEST VIRGINIA STATE POLICE:

Base Stations: 42.100 MHz, 42.1200 Mobiles: 42.260 MHz

WEST VIRGINIA STATE POLICE - TURNPIKE: 153.430 MHz & 156.150 MHz

State of West Virginia Misc...

Prison & Corrections: 39.920 MHz, 39.980 MHz, 460.075 MHz

My notes also indicate there is quite a bit of VFD activity on the 46 MHz band. Checking my notes, I see there are many stations located all over the state on the following Fire Department frequencies:

VOL. FIRE DEPEARTMENTS, W.Va: 46.100 MHz, 46.140 MHz, 46.460 MHz
46.360 MHz, 39.980 MHz, 39.880 MHz

This might give some of you folks up there something to listen to, and please do keep me in mind for a note or two when you come up with something of interest! The last time I passed within range of West Virginia, there was quite a bit of RESCUE SQUAD activity on 155.340.

State of South Carolina

As of this edition, I have not received any contributions from South Carolina members. Once again, we go to my old collection of notes for a brief listing of the SOUTH CAROLINA HIGHWAY PATROL.

The South Carolina Highway Patrol is still working on the low bands. As mentioned earlier in this column, South Carolina and West Virginia state enforcement agencies operate on the SAME low band channels. If you live in North Carolina, as I did, with a good antenna, you can copy both states!

SOUTH CAROLINA HIGHWAY PATROL	Base	Mobile
	42.080 MHz	42.260 MHz
	42.100	" "
	42.120	42.340
	42.140	" "

Base stations use the name of the city location for general identification and then the call sign of the station when clearing. My notes indicate the following city locations as operating base stations:

SOUTH CAROLINA HIGHWAY PATROL		Base Station Dispatchers		
Ridgeland	Anderson	Gaffney	Greenville	Columbia
Conway	Florence	Walterboro	Charleston	Orangeburg
Spartinburg	Aiken	Chester	Andrews	Beaufort
Sumter				

An interesting comment about the SOUTH CAROLINA HIGHWAY PATROL Greenville base station (KIA702) is that this base is used quite often an a link between the South Carolina patrol and the State Highway Patrol in North Carolina. The NCSHP base in Asheville (KIB898), Mt Mitchell transmitter is used to send messages to the SCHP. There is a NCSHP 42.620 MHz monitor in the Greenville, S.C. base station - and a 42.100 MHz SCHP monitor in the Asheville, N. C. dispatch station. Of course, tons of routine messages are sent by phone line thru the NCIC nationwide computer system, but you will also hear these to stations talking to each other, each on their assigned base station frequency.

"SLED" or SOUTH CAROLINA LAW ENFORCEMENT DIVISION: This is the South Carolina Bureau of Investigation, so to speak, and monitoring their frequencies could make for some very interesting. SLED is used all over South Carolina on just about any and every case of major importance. They often with work with county and city departments as knowledgeable assistants, or they will work alone on a state case. My notes on SLED frequencies is limited, at best. Any contributions or updates will be certainly appreciated. Remember too that this state agency, like the GBI and FDLE (Florida) can operate on many local channels too. (See the FDLE note in the State of Florida section.)

"SLED"/SOUTH CAROLINA LAW ENFORCEMENT DIVISION: 155.640 MHz, 155.070 MHz
155.445 MHz, 155.475 MHz

STATE OF SOUTH CAROLINA, Misc. I recently took a trip from Florida to North Carolina, driving Interstate 95 and Interstate 26. I noticed quite a bit of VHF activity on the following (L) frequencies: **154.980 MHz, 155.760 MHz, 155.955 MHz which are listed as SOUTH CAROLINA CIVIL DEFENSE and/or LOCAL GOV'T. frequencies. There was also some limited activity on 45.800 MHz and 45.080 MHz. In checking the FCC records, the license holder is just listed as STATE OF SOUTH CAROLINA.** This might make for some interesting listing for you SC members. Punch this into your scanner and let me hear from you as to what you hear at your location. We will pass it along.

State of Georgia

There was no report from Georgia members as of this writing. I probably have less in my notes on the State of Georgia and the GEORGIA STATE PATROL than any of the other Southeastern states for some unknown reason. Last month, Atlanta Police data was covered in this section, and I am waiting for you guys in ole GA to comment on that one - as it was from my layover notes in an Atlanta hotel.

GEORGIA STATE PATROL	Base	Mobile	
	154.680 MHz	154.800 Mhz	used statewide by GSP
	154.905	154.935 --	sheriff's/state patrol

I do not have any up to date listing to publish of transmitters sites or GSP dispatch locations. It would be appreciated if some of you Georgia members would get together a complete listing of the GSP operations and pass it along for an up-coming update on the GEORGIA STATE PATROL.

The Virginia State Police is broken down by "Districts", the North Carolina State Highway Patrol is broken down into "Troops" and then each "troop" is divided into "Districts". The Georgia State Patrol listings that I have seen note that the GSP is broken down into "Posts". Anybody have any notes on the locations and so on?

The GEORGIA BUREAU OF INVESTIGATION, or "GBI" as it is known among law enforcement officials, is the official state investigation section of state law enforcement in Georgia. My notebook on the GBI is very incomplete, but since I have no new data from GA members, here is something for you to start with on the ole scanner. I hope you will come up with something for the up-coming Georgia section!

GEORGIA BUREAU of INVESTIGATION: 154.815 MHz, 155.505 MHz, 155.910 MHz

Like other state investigative agencies, the GBI seems to have its own set of frequencies. They seem to be mostly in the VHF range. They probably also have complete freedom on the GEORGIA STATE PATROL networks since they both work for the state. I would imagine, from my note indications, all GBI cars have the statewide low band frequency... **42.020 MHz base - 42.180 MHz mobile. All of the GEORGIA STATE PARTOL base stations noted in POLICE CALL and on other FCC frequency listings indicate a current license for this frequency. It is also used as a point to point base communication frequency between county and city agencies state-wide. The official "Inter-state" frequency for Georgia is the standard 155.370 MHz.**

There is a Florida - Georgia communications arrangement between the GEORGIA STATE PATROL and the FLORIDA HIGHWAY PATROL. I have monitored the GSP station in Waycross passing traffic to the FHP station in Lake City, FL. Both stations were operating on 154.680 MHz. They also monitor 42.020 MHz in Lake City for keeping in contact with GSP - and in Waycross, GA they used to monitor 45.060 MHz, the FHP low band channel. I am not sure this is still done, but probably so.

State of North Carolina

The NORTH CAROLINA WILDLIFE RESOURCES COMMISSION and DEPARTMENT OF TRANSPORTATION radio systems make for some pretty interesting listening! If you have not placed your scanner on either of these state-wide systems when in range, you are missing something! Before I go into any frequency listing of either system, let me tell you a little about the systems and what you will hear on the frequency.

The NORTH CAROLINA WILDLIFE RESOURCES COMMISSION is the official state-wide game and fish enforcement agency of the state. Their enforcement personnel are quite active at all hours and on all days of the week. Having been in a law enforcement career position in years past, I personally feel the Wildlife officer has probably the most dangerous job in the profession. In other law enforcement jobs, you are always wondering if the violator is armed. In this job, you can bet your life that he is and that he knows how to use it too. The WRC radio system in North Carolina is a VHF system with several central dispatch locations. There is a WRC toll free number available in North Carolina so anyone in any location can report violations free. By the way, the State Highway Patrol also has an 800 number for the same purpose. The radio system, along with central dispatch centers, has many remote transmitters and receiver sites. They use one patrol car per officer, so there are lots of mobiles as well as aircraft to listen in on! The system is a VHF repeater type radio system, and it is not unusal to hear the Raleigh dispatch talking on a transmitter in the far western part of the state. I will list the frequencies below --- and hope for member comment on what they hear.

NORTH CAROLINA WILDLIFE RESOURCES COMMISSION:
151.385 MHz (Primary)
159.315

The **DEPARTMENT OF TRANSPORTATION** is the state-wide agency that takes care of the states highways. By the way, did you know that North Carolina is listed has having more paved highway than any other state? It is true. This system was just getting started when I moved from North Carolina, so I have little more than the frequencies. I would think this time of the year, you would not only find interesting listening, but useful information on these channels. Do take the time to let me know anything worth noting for future updates!

DEPARTMENT OF TRANSPORTATION: 47.140 MHz, 47.260 MHz, 47.380 MHz
47.320 Mhz

The State Highway Patrol does monitor the DOT during floods, snows and so on. You will hear inter-agency communication between DOT and SHP, with each transmitting on their on frequency.

State of Florida

The FLORIDA DEPARTMENT OF LAW ENFORCEMENT (FDLE) has just installed frequency selecting control heads with tone control and selection in all of their cars. What this means is - any FDLE agent can switch his mobile radio into and on any radio system in the state and communicate just as if he were part of their system. So, don't be surprised if you are monitoring "Crossroads PD" some night and all of a sudden you hear strange call signs and voices if the assistance of the locals are needed to assist in something! ** NOV 82 FLA CORRECTION: FHP-Turnpike Radar: -Repeater Output-

GENERAL INFORMATION: Radio Shows and Hamfests in the Southeastern Area

Remember, you don't have to be an Amateur Radio Operator to get into a "hamfest" being held in your area. Upcoming events that might be of interest to you if you enjoy radio flea markets are:

MIAMI, FL Tropical Hamboree, Flagler Dog Track in Coral Gables
February 5th and 6th - Admission is $4.00 at the door

ORLANDO, FL Orlando Hamcation '83, Orlando Expo Center I-4 & Hwy 50
March 18, 19, 20. Admission is $7.00 at the door

CHARLOTTE, NC Charlotte Hamfest & Computer Fair - Civic Center
March 19 & 20. Admission is unknown at press time

RICHMOND, VA Frostfest '83, Virginia State Fairgrounds, Better Living Bldg.
January 16th, 8AM til 4PM - Admission is $4.00

COLUMBUS, GA Columbus GA Hamfest and GA state ARRL convention
details not available, but if you live in this area
ask any radio amateur for information.

Information for April and May shows will be printed in the next Newsletter!

I am out of space for this month! I am hoping to hear from each and every one of you in the SOUTHEAST very soon! I need some input for a super column next month! As I have said before - SEND ME WHAT YOU HAVE OF INTEREST! Help make this PS/SE more interesting and useful for all of the others out there with scanners! HELP!

PUBLIC SAFETY - CALIFORNIA

Send Public Safety and Special Emergency frequencies, radio system details and questions to:

Public Safety, California, P.O. Box 3962, Santa Fe Springs, CA 90670-1962

February 1983 Public Safety-California

From Fred (NM-005): Mammoth Mtn. Ski Area is on 151.835 and June Mtn. is on 152.30. If you have freqs. for ski areas send them in. The San Bernardino National Forest changed its radio calls to the "Engine - Patrol" format like the Angeles N.F., so the radio Call assignments published in the 3-82 column are no longer in use.

From the Communications Center Bulletin: Monterey Park P.D. has changed freqs; F1, 155.565; F2, 155.415; F3, 154.89. Fire is on 153.995. Burbank Airport authority may use 153.935 and 155.655.

Whittier P.D. is having their dispatch redone but unknown what new freqs. may be used. Any ideas?

From DAVID (CA-SF-025): Treasure Island Fire Dept. (TIFD):
Jurisdiction: Treasure Island Navy Base, Yerba Buena Coast Guard Base. (Also responds to fires on Oakland Bay Bridge to back up SFFD or OFD.
Frequency: 148.30
Station 1 (Treasure Island): Engine 1, Truck 1
Station 2 Yerba Buena Island): Engine 2
Personnel: 38, All are civilians

Golden Gate National Recreation Area Park Police (800 Units)

163.15	Park Police	KMC790	U.S. Park Police Dispatcer
164.80	Admin Channel	KMC728	Marin Headlands Dispatcher
		KMC609	Fremont Fish and Wildlife
		KOC705	Stinson Beach Dispatch

Call Numbers Alcatraz, 220, 221, 223, 224
Emergency Response Units 390=Zodiac Boat (Aquatic Park)(Fort Mason)
(Fort Funston)-491= " " Search & Rescue Vehicle
Standard APSCO Ten 591=Marin Headlands Search & Rescue Veh.
Codes used 990=Stinson Beach Surf Rescue Boat

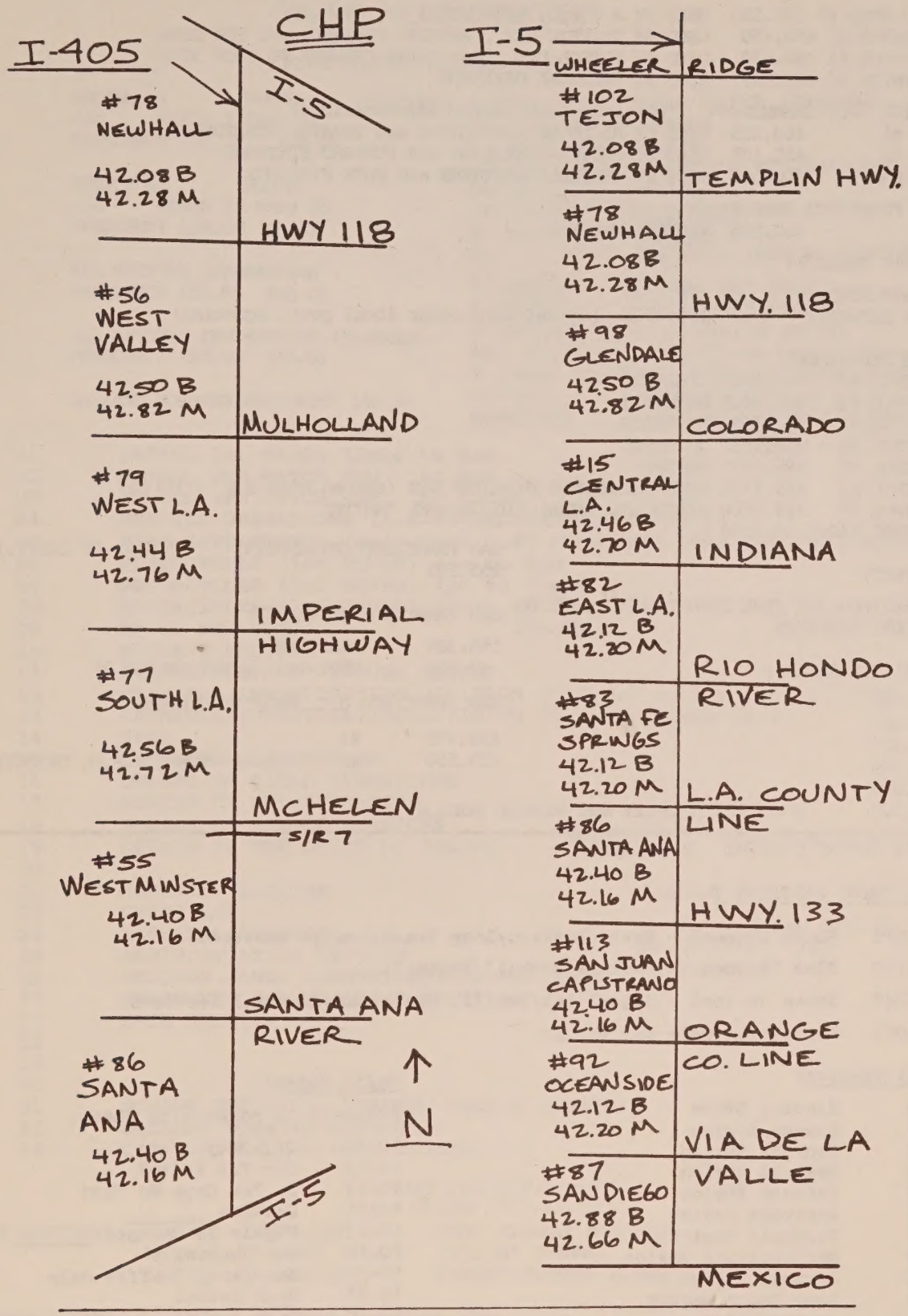
LAPD Communications update: Tac 2 has discontinued the Hotshot calls. Monitor Tac 1 (154.83) for Citywide & Valley Hot Shots. Specialized detectives monitor Tac 1, along with DHD units, so they cannot just do away with Hot Shot broadcasts.
The LAPD is undergoing a complete communications revamping, so things will be messed up for awhile (a year?).
A Special Crime Task Force in the Valley Bureau is operating now and use call signs of F21 and F29. There is also a Task Force known as WQ units. Tom (CA-LA-475) wanted to know what 34MARY units are. They are West Bureau DUI Teams. 32 T/M are Central Traffic, 33 T/M are South Traffic, 35 T/M are Valley Traffic. 3_ T units are the Capt. of their respective traffic units. 9DT units are Valley Bureau DUI teams. Commercial Mary 34 & 35 are Motor units concentrating an truck (semi's) overweight violations, etc. Similar to CHP check stations.
Valley Communications is scheduled to be moved to the EOC (4 floors underground @ City Hall East) at the end of 1982
Metro Rovers are stalled because they work citywide and are unable to select the freq. for the Division they may be working. SWAT will use 506.8375 simplex. Metro secrets; Code RED - Special operation going on. Do not use the freq. Code Yellow - Limited use. Urgent communications only. Code Alpha - Meeting location.
Tac 2 (154.77) is restricted for specialized investigative entities and units only. Rover 4 (506.5875) is for Central and West Bureau. Rover 5 (507.2625) is for South and Valley Bureau. (Car to Car)

From JOHN (CA-SL-004) also N6HMZ:

Since becoming an amatuer radio technician, I have learned that there are other RCMA members that are hams too. I believe that in the interest of others that a list of repeater freqs should be listed in the column. We all know that most conversations are boring, however during emergencies they become very active with good information. If a certain repeater is used by an agency for emergency use, explain the type of info you can hear and when to listen to it. The best way to show this is to tell you about the local repeater in San Luis Obispo County.
The Calif. Dept. of Forestry has incorporated local amatuers to assist during large fires and during severe weather conditions as patrol units. They are also used to give on the spot news info to the fire information center. By listening to the repeater you are kept up to date about fire conditions and engine status.
The primary repeater used is located at Cuesta Peak on 146.805mhz. During Red Flag Patrol this freq. is used along with 146.73, the North Co. repeater. Some other freqs. are 146.76 at Cal Poly covering San Luis City area & 146.67 located in Arroyo Grande covering the south county. The last two have autopatch capability.
ERIC (CA-LA-045) has provided the following freqs. for the So. Calif. area; 146.82, 145.30 RACES LASO, 147.27 RACES LASO, 146.895 Orange County RACES.

Southern Calif. Edison has a Customer Service channel on 48.12 in at least Orange County. Call sign KBB434 base and KK5590 mobile. Information gathered by Eric (CA-LA-045).

Elsewhere in this column is a freeway guide to CHP boundaries showing the office, frequency, and dividing points of coverage. We always wondered when to tune to the next freq. while travelling along. The map shows So. Calif. areas.



SAN FRANCISCO FREQUENCIES

From CLIFF (CA-AL-029)

POLICE:

LOW BAND #1	45.10	USED BY RICHMOND, INGLESIDE, TARAVAL STATIONS and TRAFFIC DIVISION
LOW BAND #2	45.14	USED BY MISSION and POTRERO STATIONS
LOW BAND #3	45.58	USED BY CENTRAL and SOUTHERN STATIONS
LOW BAND #4	45.46	USED BY NORTHERN and PARK STATIONS

HIGH BAND #5 155.550 USED BY S.F.P.D. DETECTIVES
CITYWIDE #1 460.450 USED BY TRAFFIC DIV., PARKING CONTROL, and TOW DESK
CITYWIDE #2 460.070 USED BY PATROL DIV., and PRIME CHANNEL FO CODE 33's
CITYWIDE #3 460.350 USED BY TACTICAL DIVISION

POLICE *PIC CHANNELS-- (*portable inter-unit communications)
PIC #1 460.225 USED BY RICHMOND, INGLESIDE and TARAVAL STATIONS
PIC #2 460.125 USED BY SOUTHER, MISSION and POTRERO STATIONS
PIC #3 460.500 USED BY CENTRAL, NORTHERN and PARK STATIONS

SAN FRANCISCO NARCOTICS--
460.525 (QUESTIONABLE ?)

COUNTY SHERIFF:

TRANSPORTATION 488.4125
PARK SECURITY 158.7600 (shared with other local govt. agencies)

FIRE DEPARTMENT:
CONTROL #1 488.3625 DISPATCH
CONTROL #2 488.5625 DISPATCH
CONTROL #3 488.7625 DISPATCH
CONTROL #4 489.1625 ON SCENE
CONTROL #5 489.1875 PAGING
CONTROL #6 489.1125 FIRE DEPARTMENT DISASTER NET (shared with S.F. SCHOOLS)
CONTROL #7 154.2800 STATEWIDE MUTUAL AID CHANNEL "WHITE"
CONTROL #10 46.4600

AIRPORT:

OPERATIONS and FIRE DEPARTMENT-- 453.200
AIRPORT SECURITY -- 453.375

LOCAL GOVERNMENT:

155.745
156.000
453.425
453.875
453.975
453.225 HOUSING AUTHORITY and HOUSING POLICE

SAN FRANCISCO UNIVERSITY: (UNIV. OF CALIF.)
155.520

SAN FRANCSICO AMBULANCE:

155.385 DISPATCH
47.620 MEDI-VAC (QUESTIONABLE ?)

SAN FRANCISCO U.C. MEDICAL CENTER:

155.475 #1
155.550 #2 (shared with S.F.P.D. DETECTIVES)

FROM ROBERT STOFFEL CA-OR-026

CAL TRANS DISTRICT 7

47.020 White Channel - Metro/Eastern/Long Beach/Orange/Westwood

47.120 Blue Channel - Ventura/Newhall/Foothill

47.240 Green Channel - Signal Lab/Traffic Operations/Special Services

47.080 Orange Channel- Car to Car

Unit Numbers:

7-0 Special Crews
7-1 Orange Region
7-2 Ventura Region
7-3 Newhall Region
7-4 Eastern Region
7-5 Westwood Region
7-6 Foothill Region
7-7 Metropolitan Region
7-8 Central Region
7-9 Long Beach Region
7-C Construction
7-E Environmental Investigations
7-J Traffic Operations
7-L Permits
7-M Materials
7-R Mechanics
7-S Surveys
7-W Traffic Operations
7-X Executive Branch
7-Y Administration
8 Signal Lab

Radio Codes:

Standard 10 codes plus these:

10-10 Off Duty
10-12 Can You Write?
10-14 Do You Copy So Far?
10-16 Contact _____
10-17 Unable to Contact _____
10-18 Use Channel 1
10-30 Emergency Traffic Only
10-32 Dead Animal
10-40 Normal Radio Traffic
10-43 Message Delivered
10-48 Traffic Accident
10-49 Stalled Vehicle
10-50 Emergency
10-80 Bomb Threat
10-84 Call Your Home
10-86 What is your Destination?
10-88 Injury to State Personnel
10-88A Damage to State Equipment
10-99 Change Your Location

OAKLAND POLICE DEPARTMENT

From CLIFF (CA-AL-029)

SECTOR #1 NORTH
c/o BEATS 1 thru 14
FREQUENCY 155.79 (ch-B)

SECTOR #2 SOUTH
c/o BEATS 15 thru 35
FREQUENCY 156.09 (ch-A)

ALL SECTORS INFORMATION
FREQUENCY 155.85 (ch-C)

ALL SECTORS INFORMATION (CLEMARS)
FREQUENCY 154.92 (ch-D)

OAKLAND HOUSING AUTHORITY 158.85

NUMBERS 1 thru 35	BEAT UNITS (PATROL)
41 thru 45	WAGONS
51 thru 55	AIDES
61 thru 65	EVIDENCE TECHNICIANS
66 thru 69	STAFF
71 thru 75	DISTRICT SGT.
81 thru 82	SECTOR LT.
91	CAPTAIN (WATCH COMMANDER)

1 UNITS=	ONE MAN UNITS
A UNITS=	TWO MAN UNITS
C UNITS=	CIVILIAN UNITS
TAC UNITS=	TACTICAL UNITS (one man)
S (sam) UNITS=	TACTICAL UNITS (two man)
ARGUS=	HELICOPTER-4 A 50
NEPTUNE=	HARBOR PATROL UNIT

01 PATROL 1st WATCH 12mid to 8am
02 PATROL 2nd WATCH 8am to 4pm
03 PATROL 3rd WATCH 4pm to 12mid
04 SPECIAL OPERATIONS (4-A-50=HELICOPTER "ARGUS")
05 BEAT SUPPLEMENTS (back-ups) 5L40 thru 5L49 DOWNTOWN FOOT PATROL
06 MOTORCYCLES (1st SQUAD) 8am to 4pm
07 MOTORCYCLES (2nd SQUAD) 4pm to 12mid
08 MOTORCYCLES (3rd SQUAD) 12mid to 8am
09 YOUTH SERVICES
10 RESERVE SECTION
11 ANIMAL CONTROL (POUND UNITS)
12 CRIMINAL INVESTIGATION DIVISION (C.I.D.) FOLLOW-UP INVESTIGATORS
13 CRIMINAL INVESTIGATION DIVISION (C.I.D.) FIELD UNITS
14 VISE
15 INTELLEGENCE SECTION
16 BUREAU OF FIELD OPERATIONS
17 BUREAU OF INVESTIGATION
18 BUREAU OF POLICE SERVICES
19 OFFICE OF THE CHIEF OF POLICE
20
21 SECURITY SECTION
22 CRIME LAB
23 INTERNAL AFFAIRS
24 ADMINISTRATION SECTION
25 RECORDS /AND/ COMMUNICATIONS SECTION
26 PERSONNEL AND TRAINING SECTION
27 JAIL SECTION
28
29
30
31 SCHOOL SECURITY--OAKLAND PUBLIC SCHOOLS
32 OAKLAND HOUSING AUTHORITY
33 CITY OF OAKLAND PARK RANGERS

EXAMPLE OF POLICE DESIGNATORS

1-A-31

1= PATROL 1st WATCH
A= TWO MAN UNIT
31=BEAT #31

HAYWARD FIRE DEPARTMENT

From CLIFF (CA-AL-029)

FREQUENCIES:	154.070	(ALCO FIRE NET)	"RED" CHANNEL DISPATCH
	460.600	(HAYWARD FIRE)	"YELLOW" CHANNEL
	154.280	(STATEWIDE)	"WHITE" CHANNEL MUTUAL AID

COMPUTERIZED DISPATCHING TO START JUNE/JULY 1982

DISPATCH LOCATION IS AT THE POLICE COMMUNICATIONS CENTER (west winton)

HAYWARD FIRE CONSISTS OF SIX (6) FIRE STATIONS:

STATION #1	C st. at MAIN st.	STATION #2	WEST HARDER RD.
c/o	ENGINE 1	c/o	ENGINE 2
	ENGINE 11		ENGINE 22
	TRUCK 1		GRASS UNIT 2
	BATTALION CHIEF		

		STATION #5 c/o	SKYLINE ENGINE 5 GRASS UNIT 5
STATION #3 c/o	LOYOLA at BOLERO ENGINE 3 GRASS UNIT 3	STATION #6 c/o	HAYWARD AIRPORT (west winton at eaclan) ENGINE 6 TRUCK 6 RESCUE 6 RT-6 (SNORKEL) FOAM UNIT 6
STATION #4 c/o	BLANCHE (FAIRWAY PARK) ENGINE 4		

TRUCKS ARE EQUIPPED WITH 100' LADDERS
GRASS UNITS ARE FOUR (4) WHEEL DRIVE UNITS "POWER WAGONS" (radio identifiers "J")
FOAM UNIT IS A "DUEL AGENT--LIGHT WATER" APPARTUS
ENGINES ARE AT LEAST 1000 GPM CAPACITY

HAYWARD FIRE OPERATES THE NORMAL 24 HOUR SHIFTS
SOME ADMINISTRATIVE STAFF (CHIEFS---CAPTAINS) WORK 4 DAYS-10 HOUR SHIFTS

ALAMEDA CITY FIRE DEPARTMENT
From CLIFF (CA-AL-029)

FREQUENCY: 154.13

ALAMEDA FIRE DEPT HAS FIVE CHIEFS
MAIN FIRE CHIEF
ADMINISTRATIVE CHIEF
DUTY CHIEF (SHIFT CHIEF) THREE (3)

FOUR FIRE STATIONS:

#1	2401 ENCINAL c/o ENGINE 1 TRUCK 1 RESCUE 31 DUTY CHIEF ONE CAPTAIN ONE LIEUTENANT	#3	1703 GRAND ENGINE 3 ENGINE 5 (USED FOR RESCUE WORK) ONE CAPTAIN ONE LIEUTENANT
#2	635 PACIFIC c/o ENGINE 2 TRUCK 2 RESCUE 32 ONE CAPTAIN ONE LIEUTENANT	#4	CLUB HOUSE MEMORIAL RD. #3 c/o ENGINE 4 ONE CAPTAIN ONE LIEUTENANT

STATION #1 HOUSES THE DISPATCHER (crews work normal 24hr. shifts 8am to 8)

DISPATCH RECORDS ALL PHONE AND RADIO TRAFFIC
DISPATCH HAS TWO (2) 911 CONSOLES AND ONE PRINTER (RED PHONES)
DISPATCH HAS ONE HOT LINE TO ALL ALAMEDA COUNTY CITIES
(requires 3 digit dialing
DISPATCH HAS ONE PHONE USED FOR STATION INTERCOM
DISPATCH STATUS BOARD IS AS FOLLOWS

GREEN	RED	BLUE	YELLOW
in svc	out of svc	at scene	MUTUAL AID

EACH STATION HAS ENOUGH PORTABLES FOR EACH PIECE OF EQUIPMENT AND 1 EXTRA

DISPATCH HAS ONE BEARCAT 210XL USED TO MONITOR THESE OTHER AGENCIES:

ALAMEDA P.D. #1	S.F.F.D. #1
ALAMEDA P.D. #2	S.F.F.D. #2
OAKLAND F.D. #1	S.F.F.D. #3
OAKLAND F.D. #2	FREMONT FD
EL CERRITO F.D.	BERKELEY F.D.
ALBANY F.D.	SAN LEANDRO/HAYWARD F.D.
ALAMEDA COUNTY AMBULANCE	WEATHER #1 162.400 WEATHER #2 162.550

Railroads

Gary L. Sturm and
Bill Farmer, Editors

Send information about railroad frequencies and their uses, railroad radio system details, and related questions to:
Gary L. Sturm, 48781 Denton Rd., Apt. 37, Belleville, MI 48111.

As a follow-up to his article on railroad base station antennas in the December 1982 issue, Terry Miliczky of Fort Wayne IN has submitted sketches and descriptions of some of the specialized mobile antennas used by the railroads. Of course whip antennas are also used.

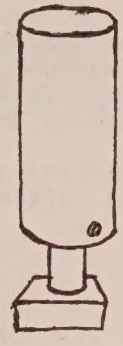
FIRECRACKER TYPE:

11 1/4" tall

Concentric inner-outer cylinders

Unity gain

Power input of 100 watts maximum



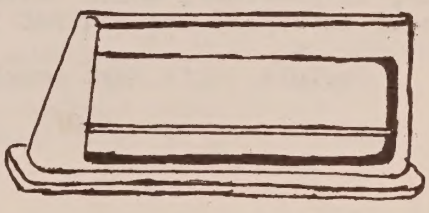
LOW-PROFILE TYPE (SINCLAIR):

Very short 5" height

16 3/4" long with brass horizontal radiating element

Frequency range 152-174 MHz

Input power of 100 watts maximum



WAGON WHEEL TYPE:

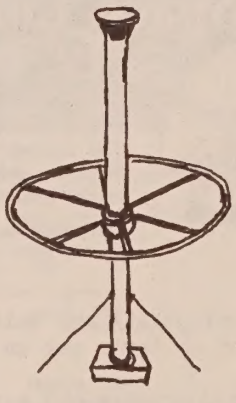
Quarter wave vertical radiator

Large "wheel" configuration ground plane provides low reflected power

Unity gain

Frequency range 160-161 MHz--optimized for railroad frequencies

(Note: High caboose-mount pictured for increased communication distance)



Our thanks to Terry for these excellent drawings.

DETROIT MUTUAL AID POLICE CHANNEL

Some time ago, the Grand Trunk Western announced in an industry journal that they had freed up some UHF channels for use as a mutual aid radio arrangement between the police departments of the GTW-owned railroads, Conrail, the Norfolk and Western, and the Chessie System. A year and a half later, the system is finally in service. The realization of a UHF radio system never evolved, but the mutual aid idea did come on board during the Fall of 1982.

The GTW police dispatcher can now contact the other railroads on the VHF frequency of 161.280 MHz. Also, the various railroads involved in the mutual aid agreement can contact each other. When a trainload of new automobiles or other valuable cargo leaves one yard being transferred to another yard, the police of the one railroad can call directly to the other railroad. This cuts down on the time it takes to notify the railroads of loads they are receiving and allows for better mobility of the patrolmen each railroad has on duty.

From listening to the GTW dispatcher it appears that the GTW police are in direct contact with the Detroit Police Department. Various license plate checks are routinely handled on the system. It's taken some time to spawn this new system, but it should prove itself to be a model for other railroads in large cities to follow.

In the Chicago area, the radio frequency of 161.205 is being used by the Illinois Central Gulf police dispatcher. He directs Missouri Pacific patrolmen on the same channel. The Santa Fe is also licensed to use 161.205 MHz for their police channel in Chicago.

If you live in a large city, keep your ears out to listen for such a railroad police mutual aid channel being used in your area.

—Gary (IN-045)

Since the publication of our articles on what the railroad radio channels are used for, we have been getting letters asking for frequencies and offering to check out the railroad channels in different areas. When writing to us, please send a SSAE and advise us, if possible, which railroads you need information on. We'll do our best to supply AAR and FCC frequency data for you to try out.

So long until next month... —Gary & Bill

This column is for the exchange of space communications systems (manned or unmanned), frequency information, orbital data, hobby receiving equipment and antennas. Questions and column input pertaining to Space Communications Monitoring should be sent to:

Larry Van Horn (TN-014), 1111 N. Carrier Pkwy., B-107, Grand Prairie, Texas 75050.

Greetings all and welcome to Space Comm February, 1983 style. Alot of news this month so let's get on with the show.

Home Computers and Satellites

Per a recent letter from Robert W. Popham, NOAA/NESS has offered to coordinate information regarding the use of micro-processors and micro-computers for generating orbital prediction data or for displaying satellite imagery. If you are now using, or plan to use, ant such device in conjunction with satellite reception, NOAA/NESS would like to hear from you.For further information write to:

Robert W. Popham, Coordinator
Direct Broadcast Services, S/DS21
National Oceanic & Atmospheric Adminstration
National Earth Satellite Service
Washington, D.C. 20233

Be sure to tell Robert that Space Comm sent ya.

Space Communications continued

New Russian Amateur Satellite

On November 18,1982 at 0756 GMT, Iskra 3 was hand launched from the Soviet orbiting space station Salyut 7. The satellite was transported to the Salyut via the Progress 15 Space tanker/freighter. Shortly after insertion into orbit test was conducted on the 15 meter uplink/ 10 meter downlink transponder. It was noted that when the transponder was commanded on the internal temperature of the Iskra rose to 120 degrees Centigrade. This information is being carried on the satellites 10meter CW telemetry beacon on 29.583 Mhz. The CW telemetry beacon is quite loud even on my RF-3100 without a preamp with power outputs as high as 2 watts when the 300 mw transponder is commanded off.
This is a low orbiting spacecraft and due to drag factors will not be in orbit long. It should however still be in orbit when this column goes to print. If you would like to receive this satellite, the Russians command on the transponder in test from 0600-1500 GMT daily. Look for the telemetry beacon then check for the transponder downlink on 29.580 - 29.620 Mhz. The uplink frequencies are quite unusual. This is an all HF bird with an uplink of 21.230 - 21.270 Mhz. Latest information on Iskra 3 and all the amateur satellites are avaiable via the AMSAT information nets as published in Space Comm- June 82.

Ham Radio in Space

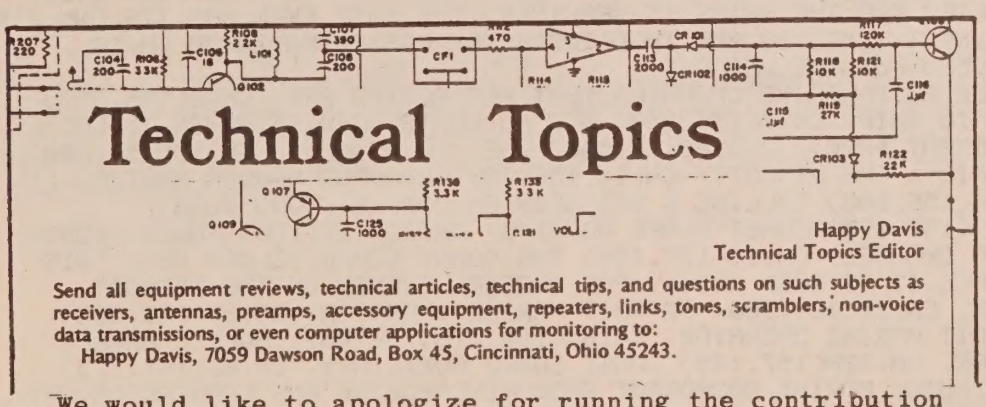
When the first Spacelab mission takes place in Sept. 83(STS-9), there will be special interest amongst the amateur radio fraternity. One of the mission specialist aboard, Owen Garriott will have with him an amateur handheld transceiver operating on two meters(145 Mhz.). A ground plane antennna will be installed in the shuttle cargo bay. Garriott has been allocated the call sign "W5LFL". As more details are released Space Comm will carry them on this exciting Space Communication opportunity.

Phase IIIB launch, maybe?

The long awaited, Ariane problem plagued Phase III B satellite launch is now scheduled for a April 20, 1983 launch date. The long life amateur satellite will be launched on the Ariane LO5 launch with the European Space Agencies ECS-1 communication satellite. I hope to carry complete details of the satellite in the April 83 Space Communication column.

HAMCOM '83'

June 3,4 and 5, 83 the Dallas Area will sponsor HAMCOM 83 the second largest amateur convention in the US. This years feature will be an operational PHASE III B satellite station sponsored by AMSAT. Yours truly will be not only at the AMSAT booth but the hospitality suite sponsored on Friday of the convention by AMSAT. I will be there to talk satellites so I hope to see a few RCMA members show up.
73 and best to all. KA5PAE/WDX5FAO.....


Technical Topics
Happy Davis
Technical Topics Editor
Send all equipment reviews, technical articles, technical tips, and questions on such subjects as receivers, antennas, preamps, accessory equipment, repeaters, links, tones, scramblers, non-voice data transmissions, or even computer applications for monitoring to:
Happy Davis, 7059 Dawson Road, Box 45, Cincinnati, Ohio 45243.

We would like to apologize for running the contribution "Recording from a scanner" twice. We also have been informed that its author is RCMA member Bob Quinlan (IL-157). Thank you, Bob.

Since the Technical Topics material presently in your editor's possession needs further clarification and identification, it is being held until this information is received.

Carol Ruth
Managing Editor

VHF Marine

Send information, articles, frequencies and their use, and questions that relate to private, commercial, and Coast Guard VHF maritime and inland waterways radio communications to:

Emmett L. Baxter, Jr., 424 W. 22nd St., Norfolk, VA 23517

HELLO AND WELCOME TO THE FEBRUARY EDITION OF YOUR VHF MARINE COLUMN. THIS MONTH I HAVE SEVERAL REPORTS TO PASS ALONG TO YOU.

OUR FIRST REPORT COMES FROM YOUR OLD VHF MARINE EDITOR,ROD O'CONNOR. HE HAD SOME INFORMATION WHICH HE PASSED ON TO ME TO PUBLISH.

FROM RON(CANADA - ?),COMES THE FOLLOWING INFORMATION THAT HE GATHERED LAST SUMMER WHILE VISITING SEVERAL SHIPS IN QUEBEC CITY LAST SUMMER.

MV SAGAFJORD - 457.425,457.475,457.600
HMS QUEEN ELIZABETH II - 154.570,161.350,161.450
ROYAL VIKING SUN - 156.450,156.800,156.850

RON ALSO BOUGHT A BEARCAT 100 AND LIKES IT A LOT.

AND NOW ON WITH THE NEW REPORTS.FROM JOE (MD.-015), COMES THE FOLLOWING INFORMATION ON THE WEST COAST OF FLORIDA.

TAMPA BAY PILOTS	156.600	TAMPA BARGE SERVICE	156.350
TAMPA YACHT CLUB	156.425	TAMPA PORT SECURITY	156.015
DUNEDIN MARINA	156.450	ECKERD COLLEGE (SAR)	156.425
ST.PETERSBURG YACHT CLUB	156.425	ST.PETERSBURG SEA TAXI	156.450
ST.PETERSBURG YACHT CLUB	156.575	CLEARWATER MARINA	156.450
CITY OF CLEARWATER	156.425,156.45,156.8	DAVIS YACHTS	156.425

COAST GUARD CUTTERS AND CHOPPERS 157.150 (WORKING CHANNEL)
ALSO HEARD ON 156.800 WERE KIRK IMPORTS,CENTRAL OIL,GULF OIL,AND GENERAL TELEPHONE AND ELECTRONICS.
FLORIDA MARINE PATROL - TAMPA DISPATCHER ON 44.800
FLORIDA DEPT. OF MARINE RESOURCES WORKING C.G. ON 156.800
BRIDGES USE CH. 13 (156.650)
THE COAST GUARD AUXILIARY USED CH. 83 (157.175)
MARYLAND MARINE POLICE USE 39.22 & 156.450
COAST GUARD UNITS IN MARYLAND USE 157.050 & 157.15

OUR NEXT REPORT COMES FROM ROBERT (MI.-108).
HE STATES THAT HE LISTENS IN ON THE DETROIT RIVER AREA. ONE OF THE BUSIEST SHIPS THAT HE HEARS IS THE J.W.WESCOTT II. THIS SHIP IS THE OFFICIAL MAIL BOAT IN THE DETROIT AREA AND ALSO CARRIES SUPPLIES FOR THE SHIPS IT SERVICES. THE SHIP EVEN HAS ITS OWN ZIP CODE.NEXT TIME YOU ARE IN DETROIT TRY LISTENING IN ON CH.10 (156.50),FOR THE WESCOTT.
THE DETROIT MARINE CHANNELS THAT ARE ACTIVE ARE: CH.6(156.300) SHIP TO SHIP, CH.7(156.350) BOB LO BOATS (CRUISE BOATS TO LOCAL AMUSEMENT PARK), CH.10(156.500) THE J.W.WESCOTT, CH.12(156.600) CONRAIL & THE WESCOTT, CH.14(156.700),WINDSOR HARBOR MASTER, CH.16(156.800) CALLING & DISTRESS,CH. 18(156.900) TUGS, CH.21(157.075) COAST GUARD WORKING, CH.22(157.100) PUBLIC COAST GUARD CHANNEL, CH.23(157.150) THE COAST GUARD SELDOM USES THIS CHANNEL.IT IS USED MOSTLY FOR SPECIAL EVENTS ON THE DETROIT RIVER. CH.26(161.900) DETROIT MARINE OPERATOR, CH.28(162.000) DETROIT MARINE OPERATOR, CH.65(156.275) DETROIT POLICE HARBOR MASTER, CH.83A(157.175) COAST GUARD AUXILIARY, CH.83(161.775) CONTINUOUS MARINE BROADCAST FROM KINCARDEINE AND LEANINGTON,ONT.. CH.86(161.925) SARNIA MARINE OPERATOR.

FROM DAVID (LA.-031) COMES THE FOLLOWING INFORMATION.
NEW ORLEANS AREA MARINE MOBILE OPERATOR IS ON 161.825
COAST GUARD GROUP NEW ORLEANS IS ON 156.800 & 157.150

FROM CORNELIA (DEL.-014) COMES THE FOLLOWING INFORMATION. SHE STATES THAT FROM HER HOME IN DOVER,SHE CAN HEAR THE FOLLOWING COAST GUARD UNITS;CAPE MAY,INDIAN RIVER,FORTESQUE,GLOUCESTER CITY,HIGH POINT AUXILIARY RADIO STATION,STILLPOND,AND BALTIMORE.

SHE LISTENS TO THE COAST GUARD ON 157.05,157.1,157.15, & 157.175. THE COAST GUARD AUXILIARY OPERATES ON CHANNEL 83 (157.175). OTHER CHANNELS THAT ARE ACTIVE ARE:156.3,156.4,156.45,156.6, 156.65,156.8,156.425,157.025,157.075,157.125 & 156.975. SHIPS IN THE C & D CANAL HAVE BEEN HEARD ON CHANNEL 6 (156.300). THE DELEWARE PILOTS WERE HEARD ON 156.650,156.8 & 156.7.

FROM ALAN(MD.069)ALSO CONCERNING THE DELEWARE BAY AREA. CH.7A(156.350) CAPE MAY FERRY CH.14(156.700) DELEWARE PILOT CH.12(156.600) DELEWARE PILOT & SPECIAL OPERATIONS CH.16(156.800) CALLING & DISTRESS CH.26(157.3)MARINE OPERATOR OCEAN CITY,MD.(SHIP SIDE) CH.21A(157.05) COAST GUARD CH.27(157.350) RADIOTELEPHONE LEWES,DELEWARE.
NOTE: "A" MEANS THAT U.S.SHIPS MAY NOT BE ABLE TO TALK TO SHIPS FROM OTHER COUNTRIES BECAUSE OF EITHER SIMPLEX OR DUPLEX CHANNELS.
ALSO FROM ALAN COMES THE ADDRESS TO WRITE OFF FOR A BOOK EVERY GOOD VHF MARINE SCANNER BUFF NEEDS.THE BOOK IS CALLED "MARINE RADIOTELEPHONE USERS HANDBOOK".IT IS AVAILABLE FROM: RADIO TECHNICAL COMMISSION FOR MARINE SERVICES,P.O.BOX 19087,WASHINGTON,D.C. 20036. IT SELLS FOR $ 5.00.

FCC FOLLOWUP: (FROM THE FILES OF THE FCC IN WASHINGTON)

DELEWARE BAY PILOTS ASSOCIATION			J.W.WESCOTT CO. - DETROIT,MICH.		
KUF-842	156.475,156.700		KBP-362	156.500,156.600,	
	156.725,156.800			156.800	
	156.975				
TAMPA BAY PILOTS ASSOCIATION					
TAMPA	KAW-763	156.500	ST.PETERSBURG	KAW-767	156.500
		156.600			156.600
		156.800			156.800

THE ABOVE FCC INFORMATION HAS COME FROM THE NEW 1982 MICROFISCHE WHICH I HAVE JUST PURCHASED. ANYBODY WANTING FREQUENCY INFORMATION CAN GET IT FROM ME BY SENDING ME EITHER THE LICENSE NAME,CITY & STATE OR CALL SIGN,ALONG WITH SOME INFORMATION FOR THIS COLUMN.I WILL BE GLAD TO LOOK UP ANY INFORMATION THAT YOU WANT FROM THE FILES,BUT YOU MUST SEND IN MARINE INFORMATION ALONG WITH YOUR REQUEST.

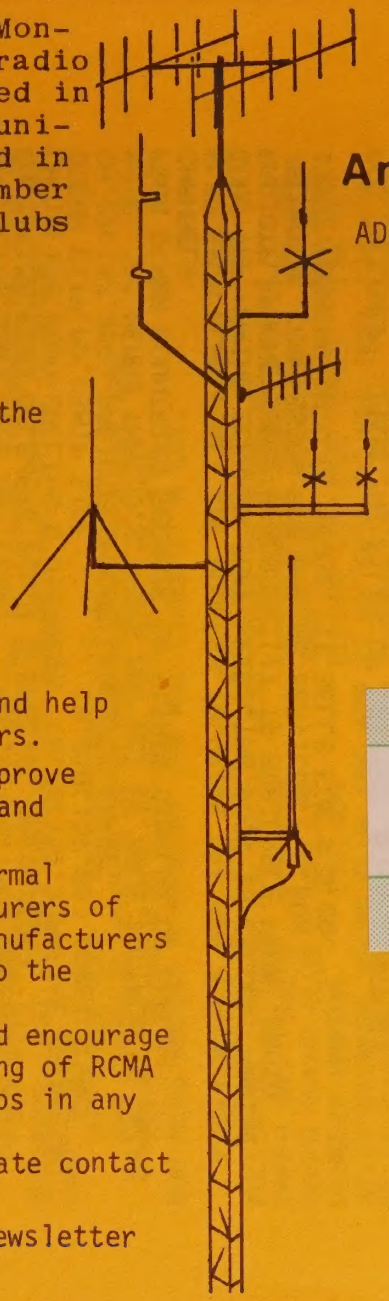
QUESTION OF THE MONTH: FROM JOE(MD.-015)
IS THERE ONE FREQUENCY FOR DRAWBRIDGES? MOSTLY YES. MOST BRIDGES OPERATE ON CHANNEL 13(156.650). BUT IN SOME AREAS OF THE COUNTRY OPERATE ON CHANNEL 16(156.800) AND 12(156.600). BUT PLEASE NOTE- NOT ALL BRIDGES ARE RADIO EQUIPPED. IN SOME UPCOMING ISSUE I WILL PROFILE THE BRIDGE AND LOCK SYSTEM ON THE MISSISSIPPI RIVER AND SURROUNDING WATERS.

WELL THAT ABOUT ALL FOR THIS MONTH - LETS SEE LOTS OF MAIL FOR NEXT MONTHS COLUMN.

The Radio Communications Monitoring Association is a radio club for persons interested in listening to two-way communications. RCMA was founded in May 1975 and is a Full Member of North American Radio Clubs (ANARC).

The goals of RCMA are:

1) To provide a fraternity for those who seriously pursue the hobby of monitor radio listening.
2) To try to be knowledgeable about two-way radio systems and operations.
3) To promote an understanding of the legal and ethical uses of monitor receivers.
4) To share information with and help other monitor radio listeners.
5) To try to understand and improve receivers, antenna systems and related equipment.
6) To offer suggestions and formal recommendations to manufacturers of monitor receivers and to manufacturers of other products related to the hobby.
7) To offer suggestions for and encourage the organizing and conducting of RCMA meetings and tours for groups in any geographic area.
8) To encourage and to facilitate contact between members.
9) To publish a regular club newsletter devoted to the hobby.



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